CONTENTS OF SUPPLEMENT.

PERSONAL 37
Obituary 37
ENGINEERING SOCIETIES 37
Coming Meetings 37
NEW PUBLICATIONS 37
Trade Publications 37
CONSTRUCTION NEWS:
Condensed List of Contracts Pending 38
Railways 38
Street and Electric Railways 38
Electric Light and Power 39
Bridges 40
Buildings 40
Water-Works 41
Sewerage 42
Garbage Disposal and Street Cleaning 42
Streets and Roads 42
Manufacturing Plants 43
Miscellaneous Contracts 43
U. S. Possessions and Cuba 44
Foreign Contracts and Export News 44
Contract Prices 44
INDUSTRIAL NOTES 44

PERSONAL.

Mr. James McCabe, City Engineer of Topeka, Kan., has resigned.

Mr. A. J. Reily has been appointed City Engineer of Ensley, Ala.

Mr. C. A. Buch has resigned as General Manager of the Altoona & Logan Valley Electric Ry.

Mr. Hugh Martin has been appointed Superintendent of the Street Department of Woburn, Mass.

Mr. James F. Shearer has been elected President of the Phillipsburg Ry., succeeding the late Major Bond.

Mr. Arthur B. Proal, Jr., Chief Engineer of the New York & Staten Island Electric Co., has resigned.

Mr. Clarence B. Vorce, of Hartford, Conn., has been elected President of the Connecticut Society of Civil Engineers.

Dr. Nathaniel S. Keith, M. Am. Inst. E. E., of San Francisco, Cal., has established an office at 95 Liberty St., New York city.

Mr. Robert Lockhart has been appointed Superintendent of the Water Bureau of Albany, N. Y., to succeed Mr. George I. Bailey.

Mr. John S. Patterson, Assistant City Engineer of Baltimore, Md. was married on Jan. 23 to Miss Helen Gardner Hutchins, of that city.

Mr. Fred. S. Hill, Superintendent of the plant of the General Manifold Co., at Franklin, Pa., has been appointed Mechanical Engineer.

Mr. Geo. W. Kenney has been appointed Superintendent of Motive Power and Rolling Stock of the Rutland Ry., with headquarters at Rutland, Vt.

Mr. Alton W. Looke has been appointed Chief Engineer of the power station of the Old Colony St. Ry., to succeed Mr. Daniel Valentine, resigned.

Mr. Walter J. Towne, Assistant Engineer of the Chicago & Northwestern R. R. at Escanaba, Mich., was married on Jan. 22 to Miss Ethel White, of Syracuse, N. Y.

Mr. C. W. Trumbull, formerly of Canajoharie, N. Y., has been appointed City Engineer of Schenectady, N. Y., and has opened an office in the Union Hall Block.

Messrs. Lehr & Bascom, Civil Engineers, have removed their offices from the Young Bldg., in Allegheny, Pa., to the Shankweiler Bldg., on Centre Square, that city.

Mr. Edward D. Very, City Engineer of Niagara Falls, N. Y., has been appointed to the Committee on Electric Lights of the American Society of Municipal Improvements.

Mr. Chas. L. Goodmere, Superintendent of the Atlantic Coast Telephone Co., has resigned to become Chief Engineer of the United Telephone & Telegraph Co., of Philadelphia.

Mr. George T. Jarvis, formerly General Manager of the Wisconsin Central R. R., has been appointed General Manager of the Rutland R. R., with headquarters at Rutland, Vt.

Mr. Chas. B. Ball, Inspector of Plumbing for the District of Columbia, has resigned to accept the position of Chief Inspector in the Tenement House Department of New York city.

Mr. George Herrick Duggan, Vice-President Canadian Soc. C.E., of the Dominion Bridge Co., has been appointed Consulting Engineer of the Dominion Iron & Steel Co., with headquarters at Sydney, N. S.

Mr. W. W. Follett, of Colorado, has been nominated by the President for Consulting Engineer representing the United States on the International Boundary Commission provided for in the convention with Mexico.

Signor Guglielmo Marconi, the inventor of the wireless telegraphy apparatus, now in experimental stages, sailed for England the latter part of last week. Signor Marconi will return to America in about two months.

Mr. W. A. Nettleton, formerly Superintendent of Motive Power and Machinery of the Kansas City, Fort Scott & Memphis R. R., has been appointed Assistant Superintendent of Quarters at Topeka, Kan., succeeding Mr. George R. Henderson, promoted.

Mr. John Kennedy, Past President of the Can. Soc. C. E., member of the Board of Harbor Commissioners of Montreal, Que., and Mr. David Leath, Secretary-Treasurer of the same board, were in Baltimore, Md., last week. The gentlemen are visiting Atlantic Seaboard cities from Montreal to Newport News, securing information concerning docking and wharfage charges and rules and regulations governing pilots.

Mr. Willis E. Gray, General Manager of the American-China Development Co., has left for China via San Francisco, where he will organize his forces and proceed immediately with the construction of the railway from Hankow to Canton. Mr. Gray was formerly General Superintendent of the Chicago & Alton R. R., Vice-President of the Compressed Air Co., and at one time had charge of the Rome Locomotive Works.

Mr. A. J. Cassatt, President of the Pennsylvania R. R., has selected the following Engineers as a Commission of Experts to supervise and approve all the plans for the proposed tunnels to be built by that company under New York Harbor: Col. Chas. W. Raymond, Corps of Engineers, U. S. A., Chairman; Mr. Chas. M. Jacobs, Mr. Gustav Lildenthal, M. Am. Soc. C. E., and Mr. W. H. Brown, Chief Engineer of the Pennsylvania R. R.

Mr. W. K. Smith has resigned his position as Chief Engineer in charge of the Civil Engineering Department and real estate of the Carnegie interests. Mr. Smith has been with the Carnegie company for over 15 years. He formerly had charge of the railway engineering work, and under his supervision the railway terminals of the Edgar Thompson, Homestead and Duquesne works and the Union R. R. system were reconstructed. He was Chief Engineer of the Union R. R., and planned the Turtle Creek yards, connecting the Union and the Bessemer & Lake Erie Railway systems.

OBITUARY.

Mr. David McCargo, formerly General Superintendent of the Allegheny Valley Ry., died at his home in Atlantic City, N. J., on Jan. 26.

Mr. Eugene Dupont, President of the powder manufacturing firm of E. I. Dupont, De Nemours & Co., died at his home at Christiana, Del., on Jan. 28, aged 68 years.

Mr. August Schoenborn, who prepared the plans for the dome of the Capitol at Washington, D. C., died last week. He came to this country from Germany in 1849, at the age of 22 years.

Mr. Herbert D. Bennett, President of the American District Telegraph Co., the Illinois District Telegraph Co., and the National District Telegraph Co., died suddenly at his home in Columbus, O., on Jan. 27. Mr. Bennett was 34 years of age, and began life as a messenger.

Mr. W. S. Cranston, Assistant City Engineer of Ottawa, Ont., died Jan. 24, at the age of 37 years. Before taking the position of Assistant City Engineer of Ottawa, he assisted in the location of the Crows' Nest Pass Ry., the Rainy River Ry., and the Ottawa & Arnprior Ry.

Mr. Samuel M. Riley, formerly Chief Engineer of the Locust Mountain Coal & Iron Co., died at Saranac Lake, N. Y., on Jan. 17. Mr. Riley was 50 years of age, and was formerly a resident of Ashland, Pa. He studied civil and mining engineering under the tutelage of his brother, Lewis A. Riley, then Chief Engineer of the Locust Mountain Coal & Iron Co., and now President of the Lehigh Coal & Navigation Co., and when the latter resigned to take up private practice, he succeeded him. He was at one time Engineer of the borough of Ashland.

Mr. W. G. Nevin, General Manager of the Santa Fe Pacific R. R., the Southern California Ry., and the San Francisco & San Joaquin Valley Ry., died suddenly at Los Angeles, Cal., on Jan. 26. Mr. Nevin was born in 1855. He entered railway service in 1876 as a clerk in the employ of the Philadelphia & Reading Ry. The same year he received a position with the Atchison, Topeka & Santa Fe R. R.; he was made Material Agent of the Sonora Ry. of Mexico in 1880, and two years later was appointed Purchasing Agent and Material Agent of the Mexican Central Ry.; 1886-91, out of railroading; 1891-92, Purchasing Agent of the San Antonio & Aransas Pass Ry.; 1892-94, Assistant to the General Manager of the Gulf, Colorado & Santa Fe Ry.; 1895-97, General Purchasing Agent of that road; 1897 to date, General Manager of the Santa Fe Pacific R. R., and the Southern California Ry.; 1899 to date, also General Manager of the San Francisco & San Joaquin Valley Ry.

ENGINEERING SOCIETIES.

COMING MEETINGS.

INDIANA ENGINEERING SOCIETY.
Jan. 29, 30, 31. Annual meeting at Indianapolis, Ind. Sec., G. C. Brown, Indianapolis.

AMERICAN INSTITUTE OF MINING ENGINEERS.
Feb. 18. Annual meeting at New York city (99 John St.). Secy., R. W. Raymond, New York.

RAILWAY SIGNALING CLUB.
March 11. Annual meeting at Chicago (Great Northern Hotel). Secy., C. O. Tilton, C., M. & St. P. Ry., West Milwaukee, Wis.

AMERICAN RAILWAY ENGINEERING AND MAINTENACE-OF-WAY ASSOCIATION.
March 18, 19, 20. Annual convention at Chicago. Secy., L. C. Fritch, 1562 Monadnock Block, Chicago.

ENGINEERS' AND ARCHITECTS' CLUB OF LOUISVILLE.—At the eleventh annual meeting, held Jan. 20, 1902, officers for the coming year were elected as follows: President, J. G. Murphy; Vice-President, H. G. Brownell; Secretary, Marshall Morris. The retiring President, Mr. Chas. Hermany, delivered the annual presidential address. A committee was appointed to report at the February meeting on the Nicaragua Canal, and another to report on the question of a sewerage system for the city of Louisville.

AMERICAN INSTITUTE OF MINING ENGINEERS.—The 82d annual meeting, to be held at 99 John St., New York, on Feb. 18, 1902, will be a purely formal session. Ballots for the election of officers will be counted, the report of the council presented, and the titles of all papers accepted will be presented. These papers will then be distributed in printed form, and will be presented and discussed at an adjourned meeting to be held in three or four months, probably at Philadelphia.

R. W. Raymond, Secy.

SCRANTON ENGINEERS' CLUB.—The fifth annual meeting was held on Jan. 23, 1902, in the rooms of the Board of Trade. The following officers were elected for the coming year: President, H. H. Stoek; Vice-President, B. F. La Rue; Recording Secretary, H. E. Lister; Corresponding Secretary, A. B. Dunning; Treasurer, F. J. Platt; Librarian, H. M. Lane. After the business meeting a banquet was enjoyed by the members of the club; the menu cards were of original design, and were illustrated by several views taken during last summer's excursion to the Spring Brook dam.

ENGINEERS' CLUB OF PHILADELPHIA.—At the 23d annual meeting of the club a resolution, presented by Mr. Carl Hering and amended by Prof. L. F. Rondinella, setting forth the advantages of the metric system as a standard for the United States and urging the Philadelphia members of Congress to advocate its adoption within a reasonable time, was laid on the table after a thorough discussion. The address of the retiring President, Dr. Henry Leffmann, on "Ancient Metallurgy," was read by the Secretary. Officers were elected for the coming year as follows: President, H. J. Hartley; Vice-President, S. G. Comfort; Secretary, L. F. Rondinella; Treasurer, G. T. Gwilliam.

NEW PUBLICATIONS.

REPORT OF SHELL-FISH COMMISSIONERS, STATE OF CONNECTICUT, 1901. Paper; 6 x 6 ins.; pp. 44 — xii.; illustrated. Charles H. Nichols, Engineer, New Haven, Conn.

This report covers the operation of the Connecticut law for the preservation and proper regulation of the shell-fish industry on Long Island Sound. Maps included show the location of these fisheries and their owners or lessees.

TRADE PUBLICATIONS.

(The standard sizes for pamphlets and trade catalogues recommended by all the principal engineering societies of the United States are: 3½ x 6 ins., 6 x 9 ins., and 9 x 12 ins.)

TRACING CLOTH.—A. S. Aloe Co., 414 North Broadway, St. Louis, Mo. Paper; 6 x 3½ ins.; pp. 4.

This little folder describes the advantages of "Ideal" tracing cloth and is accompanied by a sample.

BRIDGES AND STEEL WORK.—The Hamilton Bridge Works Co., Ltd., Hamilton, Can. Paper; 4 x 9½ ins.; pp. 12.

This folder briefly mentions the different lines of work of the company and lists some recently completed structures.

CEMENT.—Chickamauga Cement Co., Rossville, Ga., and Chattanooga, Tenn. Paper; 6 x 3½ ins.; pp. 4.

The Dixie rock cement is made from a rock whose composition is said to closely resemble that of Portland cement mixture. Analyses and results of tests are given.

WATER-SOFTENING PROCESS.—The Helwig Mfg. Co., St. Paul, Minn. Paper; 3½ x 6 ins.; pp. 12; illustrated.

This process is said to be based upon electrical and chemical action, no filter being required. It is in use at mining plants in Colorado and a plant has been erected at a railway water station.

ELECTRICAL MACHINERY.—Stanley Electric Mfg. Co., Pittsfield, Mass. Paper; 8 x 10½ ins.; illustrated.

Bulletin 123 of this company is a reprint of a published article on the inductor alternator. The operation of this interesting type of generator is made clear, and some curves and data from actual machines are given.

PORTABLE AND PERMANENT RAILWAYS.—Arthur Koppel, 66-68 Broad St., New York. Boards; 10 x 14 ins.; pp. 52; illustrated.

This is the same catalogue, in six languages, noted in our issue of Jan. 11, with the exception of the substitution of the New York address for the London and Berlin offices.

THERMOMETERS AND GAGES.—Hohmann & Maurer Mfg. Co., Rochester, N. Y. Paper; 6 x 9¼ ins.; pp. 18; illustrated.

A special line of high-temperature mercury thermometers for steam or for flue-gas temperatures is here shown. Mercurial vacuum and draft gages are also shown. Prices are given.

FUEL OIL.—Tate, Jones & Co., Pittsburg, Pa. Paper; 5 x 7 ins.; pp. 24; illustrated.

The Kirkwood oil-burning system, comprising a pump and heater and an oil atomizer or burner are neatly presented in this booklet. A discussion as to proper methods of oil burning and views of some applications of the Kirkwood system are added.

SURVEYING AND DRAWING INSTRUMENTS.—W. F. Stanley & Co., Great Turnstile, Holborn, London, England. Paper; 5½ x 8½ ins.; pp. 80; illustrated.

This catalogue covers a vast range of instruments and appliances used by the engineer and surveyor. It is profusely illustrated and the prices are stated in English currency. A very full index of contents makes it useful for reference.

ELECTRICAL MACHINERY.—The Emerson Electric Mfg. Co., St. Louis, Mo. Paper; 7 x 10 ins.; illustrated.

Bulletin 3000 is a telegraph code, with some notes on terms of sale. Bulletin 3033 shows an automatic start induction motor for single-phase alternating current of 40 to 75 cycles per second. The motor has an output of about 1-20 HP., being specially designed for use in automatic music boxes, &c.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened	Work.	Place.	See Eng. News.
Jan. 30.	Removing offal, waste, etc.,	New York	Jan. 23
Jan. 30.	Paving,	Buffalo, N. Y.	Jan. 23
Jan. 30.	Tile drains,	Murdock, Ill.	Jan. 23
Jan. 30.	Bridge superstructure, etc.,	Chicago, Ill.	Jan. 23
Jan. 30.	Paving,	Danville, Ill.	Jan. 30
Jan. 30.	Sewer brick (10,000,000),	Chicago, Ill.	Jan. 30
Jan. 30.	Electrical machinery,	Allegheny, Pa.	Jan. 30
Jan. 31.	Sewer,	San Francisco, Cal.	Jan. 30
Jan. 31.	Improvement bonds,	Ponce, P. R.	Jan. 23
Feb. 1.	Railway work (electric),	Portsmouth, Va.	Jan. 23
Feb. 1.	Bridges,	Des Moines, Ia.	Jan. 23
Feb. 1.	Sewers,	Akron, O.	Jan. 23
Feb. 1.	Church,	Charleston, S. C.	Jan. 23
Feb. 1.	Schools,	Phoenix, Ariz.	Jan. 23
Feb. 1.	Water pipe (40,000 ft.),	Washington, D.C.	Jan. 16
	Advertised, Eng. News, Jan. 16.		
Feb. 1.	Water-works,	Albany, Minn.	Jan. 16
Feb. 1.	Water main,	Seattle, Wash.	Jan. 30
Feb. 1.	Sewers,	Harrisburg, Pa.	Jan. 30
Feb. 1.	Road repairs,	Paris, Tenn.	Jan. 30
Feb. 1.	Electric plant,	Camden, N. J.	Jan. 30
Feb. 1.	Ditches,	Decatur, Ind.	Jan. 30
Feb. 3.	Sewers,	Wausau, Ind.	Jan. 30
Feb. 3.	Sewers,	Cincinnati, O.	Jan. 30
Feb. 3.	Removing dead animals, etc.,	Albany, N.Y.	Jan. 30
Feb. 3.	Power house, etc.,	Philadelphia, Pa.	Jan. 30
Feb. 3.	Bridge,	Aberdeen, Miss.	Jan. 30
Feb. 3.	Exposition building,	St. Louis, Mo.	Jan. 30
	Advertised, Engineering News, Jan. 30.		
Feb. 3.	Paving, etc.,	Cincinnati, O.	Jan. 16
Feb. 3.	Ball-joint water pipe,	Atlantic City, N.J.	Jan. 16
	Advertised, Eng. News, Jan. 16 and 23.		
Feb. 3.	Water-works,	Garnett, Kan.	Jan. 16
	Advertised, Engineering News, Jan. 23.		
Feb. 3.	Building construction,	Washington, D.C.	Jan. 9
	Advertised, Eng. News, Jan. 9 to 30.		
Feb. 3.	Court house, etc.,	Tampa, Fla.	Jan. 9
Feb. 3.	Plans for building,	Rolla, Mo.	Jan. 9
Feb. 3.	Heating plant,	Rolla, Mo.	Jan. 9
Feb. 3.	Grading,	Vicksburg, Miss.	Jan. 23
Feb. 3.	Iron pipe (40 tons),	Minneapolis, Minn.	Jan. 23
Feb. 3.	Pumping engine,	Jeffersonville, Ind.	Jan. 23
Feb. 3.	Electric lighting,	Rome, N. Y.	Jan. 23
	Advertised, Engineering News, Jan. 23.		
Feb. 3.	Paving,	South Bend, Ind.	Jan. 23
Feb. 3.	Gravel roads,	Logansport, Ind.	Jan. 23
Feb. 3.	Sewer,	Coshocton, O.	Jan. 23
Feb. 3.	Jail,	Meridian, Miss.	Jan. 23
Feb. 4.	Road building (30 miles),	Winamac, Ind.	Jan. 23
Feb. 4.	Wharf,	New Orleans, La.	Jan. 23
Feb. 4.	Gravel roads, (12 miles),	Washington, Ind.	Jan. 23
Feb. 4.	Sewer pipe, brick, etc.,	St. Paul, Minn.	Jan. 23
Feb. 4.	Bridge,	Hamilton, O.	Jan. 23
Feb. 4.	Bridge repairs,	Stockton, Cal.	Jan. 23
Feb. 4.	Sewerage system,	Woodbury, N. J.	Jan. 9
	Advertised, Eng. News, Jan. 9 and 16.		
Feb. 4.	Buildings,	Decatur, Ill.	Jan. 16
Feb. 4.	Jail,	Irwinton, Ga.	Jan. 16
Feb. 4.	Bridges,	Canton, S. Dak.	Jan. 30
Feb. 4.	Paving,	Jersey City, N. J.	Jan. 30
Feb. 4.	Welsbach lighting,	Trenton, N. J.	Jan. 30
Feb. 4.	Bridges,	Quincy, Fla.	Jan. 30
Feb. 4.	Enlarging bridge,	St. Paul, Minn.	Jan. 30
Feb. 4.	Telegraph wire (20 miles),	New York	Jan. 30
Feb. 4.	Life saving station,	Buffalo, N. Y.	Jan. 30
Feb. 4.	Buoy maintenance,	Tompkinsville, N. Y.	Jan. 30
Feb. 5.	Bridge approach,	Indianapolis, Ind.	Jan. 30
Feb. 5.	Bridge,	Madera, Cal.	Jan. 30
Feb. 5.	Paving,	Cleveland, O.	Jan. 30
Feb. 5.	Cement sidewalks,	Chicago, Ill.	Jan. 30
Feb. 5.	Bridge,	Pittsburg, Pa.	Jan. 30
Feb. 5.	School,	Baltimore, Md.	Jan. 30
Feb. 5.	Water meters,	Calcutta, India	Dec. 26
Feb. 5.	Stand-pipe, etc.,	Rahway, N. J.	Jan. 2
	Advertised, Eng. News, Jan. 2 to 30.		
Feb. 5.	Power-house addition,	Richmond, Va.	Jan. 23
	Advertised, Engineering News, Jan. 23.		
Feb. 5.	School,	Dublin, Ga.	Jan. 23
Feb. 6.	Jail,	Brownwood, Tex.	Jan. 23
Feb. 6.	Iron and steel bridge,	Greensboro, Ga.	Jan. 9
Feb. 6.	Fire engines,	Shreveport, La.	Jan. 16
Feb. 6.	Court house,	Livingston, Ala.	Jan. 16
Feb. 6.	Public lighting,	Havana, Ill.	Jan. 16
	Advertised, Eng. News, Jan. 16 to 30.		
Feb. 6.	Sidewalks,	Denver, Colo.	Jan. 30
Feb. 6.	Highways,	Porto Rico.	Jan. 30
Feb. 6.	Street sprinkling,	Shreveport, La.	Jan. 30
Feb. 6.	White lead,	New York, N. Y.	Jan. 30
Feb. 7.	Street improvements,	Remington, Ind.	Jan. 30
Feb. 7.	Public lighting,	Hempstead (L. I.), N. Y.	Jan. 30
Feb. 7.	Building,	Newport, R. I.	Jan. 16
Feb. 7.	Wharf,	Washington, D. C.	Jan. 23
Feb. 7.	Paving,	Lima, O.	Jan. 23
Feb. 8.	Grading,	Youngstown, O.	Jan. 23
Feb. 8.	Sewers,	Youngstown, O.	Jan. 23
Feb. 8.	Sewerage system,	New Hartford, N. Y.	Jan. 23
	Advertised, Eng. News, Jan. 23 and 30.		
Feb. 8.	Railway work,	Washington, D. C.	Jan. 23
	Advertised, Engineering News, Jan. 23.		
Feb. 8.	City Hall,	Findlay, O.	Jan. 16
Feb. 8.	Plans for hospital,	Washington, D. C.	Jan. 2
Feb. 8.	Gravel road,	Corydon, Ind.	Jan. 30
Feb. 8.	Pumping machinery,	Michigan City, Ind.	Jan. 30
Feb. 8.	City hall,	Findlay, O.	Jan. 30
	Advertised, Engineering News, Jan. 30.		
Feb. 8.	Church,	Pawnee, Ill.	Jan. 30
Feb. 10.	Water-works,	Madison, Neb.	Jan. 30
Feb. 10.	Meters, lead, valve boxes, etc.,	St. Paul,	Jan. 30
Feb. 10.	Plank sidewalks,	Cincinnati, O.	Jan. 30
Feb. 10.	Sewerage system,	Mayville, N. Dak.	Jan. 30
Feb. 10.	Water-works,	Wyoming, Ill.	Jan. 23
Feb. 10.	Filtration plant, etc.,	Pittsburg, Pa.	Jan. 16
	Advertised, Eng. News, Jan. 16 and 23.		
Feb. 10.	City Hall,	Jacksonville, Fla.	Jan. 16
Feb. 10.	Building,	Rochester, N. Y.	Jan. 25
Feb. 10.	Building,	Des Moines, Ia.	Jan. 23
Feb. 11.	Paving,	Baton Rouge, La.	Jan. 23
Feb. 11.	Court house,	Elk Point, S. Dak.	Jan. 16
Feb. 11.	City building,	Greenville, Pa.	Jan. 30
	Advertised, Engineering News, Jan. 30.		
Feb. 11.	Automatic stokers,	Indianapolis, Ind.	Jan. 30
Feb. 11.	Extending w.-w'ks,	Rockville Center, N.Y.	Jan. 30
	Advertised, Engineering News, Jan. 30.		
Feb. 12.	Irrigation canal,	Caldwell, Idaho.	Jan. 16
Feb. 12.	Dredging,	Chicago, Ill.	Dec. 26
Feb. 12.	Bridge (railway) work,	England	Jan. 23
Feb. 12.	Machinery, etc.,	Springfield, Mass.	Jan. 23
Feb. 12.	Plumbing, etc.,	Salt Lake City, Utah.	Jan. 23
Feb. 12.	Water tower,	San Jose, Cal.	Jan. 23
Feb. 12.	Brick, pipe, etc.,	Wheeling, W. Va.	Jan. 30
Feb. 12.	Jetty,	Cleveland, O.	Jan. 30
No date.	Crushed stone,	Scranton, Pa.	Jan. 23
	Advertised, Engineering News, Jan. 23.		

RAILWAYS.

ALABAMA GREAT SOUTHERN.—W. H. Wells, Ch. Engr. of Construction, 1300 Pennsylvania Ave., Washington, D. C., informs us that a corps of engineers was put on this line three or four months ago with a view of ascertaining what could be done in the way of changing grades and alinements. They will finish the work in about 30 days, and the action of directors in the matter of making changes will depend on their report.

ALABAMA & TOMBIGBEE.—G. R. Hannon, Gen. Mgr., Fulton, Ala., informs us that surveys have been made for 15 miles and the rails are laid for 10 miles. All work is being done by day labor, and no contracts are to be awarded. The line will be 37 miles long and will run from Lower Peach Tree, Ala., via Fulton to Coffeeville. An election of officers will be held next month, when a new president and chief engineer will be installed.

BALTIMORE & OHIO.—A corps of surveyors is now at work surveying the proposed freight cut-off between North Mountain and Harper's Ferry, Va.

CANADIAN PACIFIC.—Application is being made for authority to construct and operate a line of railway from a point near Piles Junction on the North Shore Ry. in Quebec, to Shawenigan Falls and to Grand Meré, a distance of 24 miles. W. F. Tye, Ch. Engr. Construction, Montreal, Que.

CANADIAN PACIFIC.—The Dominion Government has approved of an issue of $20,000,000 of stock, the proceeds to be applied to improvements. The money is to be expended as follows: New rolling stock and locomotives, $9,000,000; double tracking, $6,000,000; new plants and shops, chiefly at Montreal, $1,500,000; new elevators and improvements of terminals, $3,000,000; miscellaneous improvements, $500,000.

CARTHAGE & ADIRONDACK.—Reports from Carthage, N. Y., state that this road will be extended through the forest next season for 25 miles, to a junction with the Malone & Adirondack road.

CHICAGO & CINCINNATI.—This company has been incorporated at Indianapolis with $50,000,000 capital, to acquire the Cincinnati, Richmond & Muncie R. R., which is now completed from Cottage Grove (on the C., H. & D. Ry.) to Peru, Ind., and is under construction to North Judson (on the Erie R. R.). The new company, which is reported to represent the Harriman interests, proposes to extend the line south into Cincinnati, and north to Hammond, Ind., where a connection will be made with the Chicago & Terminal Transfer Ry., giving access to the Grand Central Station in Chicago. W. A. Bradford, Jr., Pres.; H. L. Jackson, Ch. Engr., C., R. & M. Ry., Richmond, Ind.

CHICAGO & NORTHWESTERN.—It is stated that the company will build a branch road from Nelson, Ill., to Janesville, Wis., by way of Rockford, a distance of 100 miles. E. C. Carter, Ch. Engr., Chicago, Ill.

CHOCTAW, OKLAHOMA & GULF.—A charter has been issued to this company in Oklahoma to build a line from Guthrie to Holdenville, Ind. Ter., with a branch line from Chandler to Shawnee, Okla. The capital stock is $1,000,000. J. W. McLeod, Little Rock, Ark., and C. M. Barnes and J. W. McNeal, Guthrie, Okla., are interested.

COLFAX & NORTHERN.—A charter has been filed by this company in Louisiana, with a capital stock of $50,000, for the purpose of building a road from a point on the Shreveport & Red River Valley Ry., to a point near Winfield Winn parish, La., and thence northwardly to a point near the Arkansas line. Peter McIlorid, Pres., Shreveport, La.; Wm. Edenborn, Vice-Pres., New York, and Clarence Elorbe, Secy., Shreveport.

COLORADO & SOUTHERN.—Extensive improvements will be commenced within the next 30 days on this road, according to reports. The work will include the construction of the South Platte cut-off and numerous branches and additions along the line in Colorado, Wyoming and the southern territory through which the line runs. Frank Trumbull, Pres., Denver, Colo.

COLUMBIA SOUTHERN.—Articles of incorporation have been filed by this company for an extension into eastern Oregon from Shaniko to Bend, a distance of 100 miles, with branches to Ashwood and Prineville. The capital stock authorized is $1,000,000. E. E. Lytle, Pres., Portland; A. E. Hammond, Ch. Engr., Shaniko, Ore.

DANSVILLE & MOUNT MORRIS.—The management is making preparations to improve the road throughout, the improvements to include the erection of new bridges, filling up of trestles, concrete work, a new station, etc. Robt. H. England, Gen. Mgr., Rochester, N. Y.

DENVER & RIO GRANDE WESTERN.—It is announced that this company will build a new line between Salt Lake City, Utah, and California.

DUBUQUE & WESTERN.—Articles of incorporation have been filed by this company in Iowa, capitalized at $25,000, to build a line from a point in Dubuque county, Ia., in a southwesterly direction to Boone, with branch lines. H. W. Seaman, Pres.; C. W. Chase, Vice-Pres., and A. M. Cooper, Secy., Clinton, Ia.

DULUTH, VIRGINIA & RAINY LAKE.—It is said to be the intention of the directors of this company to build a line this summer giving direct connection with Winnipeg, Man. The original intention was to build through Winnipeg, and 10 miles of that line were built. This section is now used mostly for logging purposes. Steel has been ordered for 20 miles of line to be built during May or June. During July and August an additional 60 miles will be constructed. Steel for this section has also been ordered.

EAU CLAIRE, CHIPPEWA FALLS & NORTHEASTERN.—Articles of organization have been filed in Wisconsin with a capital stock of $50,000, to build a road from the Little Falls to the Chicago, St. Paul, Minneapolis & Omaha R. R., of which road it will be a branch. The line will be 28 miles long. W. A. Scott and C. E. Woodman, St. Paul, Minn., and T. F. Frawley, Eau Claire, Wis., are interested.

EL PASO, PHOENIX & CALIFORNIA SOUTHERN.—Reports state that contracts are now being let for the construction of the line from Phoenix, Ariz., to Yuma, 200 miles through the western end of the Salt and Gila River valleys. The line will parallel the Southern Pacific road for its entire distance. John J. Hodnett, Vice-Pres. and Mgr., Tempe, Ariz.

FLORENCE, PHOSPHATE, IRON & R. R. CO.—A charter has been issued to this company in Tennessee, with a capital stock of $100,000. The purpose of the company is to build a road from Florence, Ala., to Maney, Tenn., a distance of 45 miles. The company owns large phosphate mines and iron interests in Tennessee and Alabama, and the road will touch these properties in both states. Peter Arlund, Pres., Louisville, Ky.; Thomas B. Leonard, Secy.

FLORENCE, VICTOR & CRIPPLE CREEK.—Incorporated in Colorado to build a standard gage road between Florence and the Cripple Creek district. The construction is to be started by June 1. It is understood that the road, when built, will be operated by the Colorado Springs & Cripple Creek District Ry. Co. J. E. Collins, Pres.; Frank Ruby, Vice-Pres., and G. H. Wilkes, Secy.

FLOWERS LUMBER CO.—This company has a large plant at Jakin, Ga., and an extensive system of tram roads for hauling logs to the mill. Surveys are in progress for an extension of seven miles. Arthur Pew, Ch. Engr., Bainbridge, Ga.

FT. SMITH & WESTERN.—A contract for the grading and bridge work on 117 miles of the extension of this road to Guthrie, Okla., has been let to the Fruim-Bambrick Construction Co. Work will begin within two weeks. The grading along the remainder of the [illegible] will be done by the O'Leary Bros., of Cherryvale, K[illegible]. The cost of the entire work will be about $2,600,000.

GEORGIA, FLORIDA & ALABAMA.—The [illegible]ension of this road from Bainbridge, Ga., to Tallah[illegible], Fla., 40 miles, is nearly completed, the grading and tr[illegible] being practically finished, and 25 miles of track [illegible] been laid. The drawbridge over the Flint River [illegible] process of erection. It is expected that the extensi[illegible] be in operation within two months. Grading is in [illegible]ress on the extension from Arlington northward to [illegible]ert, Ga. Hardaway & Davidson have the contract for [illegible] and trestling. J. P. Williams, Pres., Savannah; [illegible] Hurt, Ch. Engr., Bainbridge.

GREAT NORTHERN.—A number of con[illegible]ors are now going over the proposed route of the Col[illegible] Falls-Kootenai River cut-off in Montana.——The lo[illegible] of the site for the proposed tunnel through Red [illegible] in Montana has been filed. J. F. Stevens, Ch. [illegible]gr., St. Paul, Minn.

ILLINOIS CENTRAL.—A contract has been [illegible]d with F. W. Katterjohn, contractor, of Paducah, Ky., for work, including excavating, tunneling, blasting and [illegible]lasting, that will cost about $1,500,000. The work [illegible] extend over a period of five years, and the contractor [illegible] have to purchase about $40,000 worth of machinery.

KANSAS CITY, MEXICO & ORIENT.—N. F. [illegible]ret, Ch. Engr., Kansas City, Mo., recently in Europe, is reported to have sailed for home. While abroad Mr. [illegible] purchased 600 miles of rails for the road in Mexico from Belgium manufacturers. The work on this line [illegible] rapidly being pushed forward. It is reported that about [illegible]-fifth of the 1,600 miles is graded, that the bridging is now in [illegible] between Anthony, Kan., and Fairview, Okla., and that grading is progressing from Anthony north through Harker, Kan. The line will run from Kansas City to Port Stilwell, in Mexico, on the Gulf of California. A. E. Stillwell, Pres., Kansas City.

LITTLE RIVER.—J. W. Lockhart, Ch. Engr., of Bluff City, Tenn., but with temporary address at Millers, Blount county, Tenn., informs us that engineers are now at work on the location, the right of way having been secured. The contract has been let to Condon & Parks, Knoxville, Tenn., and they commenced work on Jan. 20. This line is an extension of the Knoxville & Augusta R. R., and will be 16 miles in length, touching at Maryville, Walland, Millers and Tuckaleecher. S. W. Lee, Pres., Clearfield, Pa.; W. B. Townsend, Gen. Mgr., Knoxville, Tenn.

PENNSYLVANIA R. R.—Bids will soon be called for the structural material to be used in the elevation of the Fort Wayne tracks through Allegheny. The plans for the work are now being finished and will be ready about Feb. 1. Bids for the masonry work in connection with this improvement will probably be called before March 1. This work will be started April 1, and the elevation of tracks begun about November. W. H. Brown, Ch. Engr., Broad St. Station, Philadelphia, Pa.

PHILADELPHIA & READING.—This company has awarded a contract to Chas. Nolan for the change of line of the Philadelphia, Harrisburg & Pittsburg R. R. at the crossing of the Dillsburg & Mechanic R. R. The total length of the improvement will be about 5,800 ft.

PITTSBURG, WILMINGTON & BALTIMORE.—The contract for raising the tracks of this company through the city of Chester, Pa., between Hinkson and Penn Sts., has just been awarded to William A. Dunn & Co., contractors, of 14 South Broad St., Philadelphia.

QUEEN ANNE'S R. R.—The management is preparing to make some important extensions, adding about 60 miles of tracks to its line. The capital stock, now $1,000,000, will be doubled. I. W. Troxel, Gen. Mgr. and Ch. Engr., Queenstown, Md.

ST. LOUIS SOUTHWESTERN.—Bids have been received by R. H. Brown, Gen. Supt., for the extension from Carrollton to Dallas, Tex., and the contract will be awarded at once. M. L. Lynch, Engr., Tyler, Tex.

SAN PEDRO, LOS ANGELES & SALT LAKE.—J. Ross Clark, Vice-Pres., stated that several thousand tons of steel rails will soon be received at Salt Lake City, Utah, and as soon as the route out of that city is decided on the construction will be started.

SOUTHERN PACIFIC.—Contracts have been let for work on the Ogden line of the Central Pacific in Nevada. The work calls for the reconstruction of 87 miles of track, largely in straightening the line, and will cost about $2,000,000. The contractors are as follows: Kirkpatrick Bros. & Collins, Beatrice, Neb., 25 miles; E. L. & H. L. Stone, Oakland, Cal., 45 miles; Corey Bros, Ogden, Utah, 16 miles, and Erickson & Patterson, San Francisco, Cal., six miles.——It is reported that about $2,750,000 will be expended for improvements on the Atlantic system during the coming year. An order is reported to have been placed for 75,000 tons of 80-lb. steel rails with Eastern rolling mills. It is said to be the intention to replace all light rails by the newly ordered ones, when received. E. B. Cushing, Engr. M. of W., Fort Worth, Tex.

STREET AND ELECTRIC RAILWAYS.

BANGOR, ME.—F. O. Beal, Pres. Penobscot Central Ry., Bangor, writes us that the road is now running from this city to Corinth, 20 miles; that rails are laid to Charleston, six miles further; that the overhead construction will be put up in the early spring, and the road extended. A branch will also be built to Pusham Lake, three miles.

AMHERST, MASS.—L. N. Wheelock, Ch. Engr., writes us that the rights of way have been secured for the Amherst & Sunderland St. Ry., and the route is surveyed. The company will do its own construction. The line will be an electric, 4½ miles long, and will connect with the Holyoke St. Ry. at South Hadley.

BERKSHIRE, MASS.—Preliminary steps have been taken for the organization of the proposed Western Massachusetts St. Ry. Co., which is to connect the street railway systems of Hampden and Berkshire, by a trolley line from Westfield to Lee. The length of the road will be 40 miles. The capital stock will be $300,000. R. D. Gillett, Westfield; Arthur W. Eaton, Pittsfield, and B. D. Rising, Springfield are interested.

PITTSFIELD, MASS.—Jas. Tucker, of this place, writes that a franchise has been secured for the Pittsfield Electric St. Ry., but nothing further has been accomplished.——The Berkshire St. Ry. Co. has come to an agreement with the selectmen of this place for a right of way through the town. The new route will cost the company $60,000 more in the construction of the line, than as originally planned.

WELLESLEY, MASS.—The selectmen have granted a location to the Boston & Worcester St. Ry. Co. The line through the town will be five miles long.

WOONSOCKET, R. I.—Thos. C. Perkins & Co., Hartford, Conn., are promoting a plan for the construction of an electric road from Smith's Hill, Providence, along the Douglas pike, through Burrillville, Sutton and other towns to Worcester. A charter will soon be applied for.

BALLSTON SPA, N. Y.—The Ballston Terminal R. R. has been relieved of receivership and will now proceed with the extensions to Amsterdam (22 miles), and to Gloversville. J. H. Norris, Supt.

HARTFORD, CONN.—The Rockville, Broad Brook & East Windsor St. Ry. Co. has completed the preliminary arrangements for the construction of a trolley line from Rockville to East Windsor, where connections will be made with the Hartford & Springfield road.

ITHACA, N. Y.—Sherman Collins, of this place, informs us that the right of way for the electric road from Ithaca to Auburn, via Portland, Ludlowville, and Genoa, is about two-thirds secured. The capital is partially provided for and there is good prospect of the balance being secured. The line will be 51 miles long. Ledia Holt, Ch. Engr., Port Huron, Mich.

LIBERTY, N. Y.—Wm. P. Craig, Treas. and Supt., East Orange, N. J., writes that the contract is let for the construction of the Liberty & Jeffersonville Electric R. R., to Wm. H. Craig, of Liberty, and one-half of the route is already graded and two miles of track laid. The road will be 16 miles long, running through Liberty, Liberty Heights, White Sulphur Springs and Youngsville. It will be completed by July. F. M. Jeffery, Pres., 52 Broadway.

NEW YORK, N. Y.—It is said that the Metropolitan St. Ry. will raise $20,000,000 for the improvement of its lines. The improvements will include a change to electricity on some of the lines where horses are still in use.——A contract has been let to the Wason Mfg. Co., of Springfield, Mass., to remodel 900 cars for the Manhattan Ry. Co., preparatory to operating its elevated system by electricity. The company will also build 250 new cars for the road.

PORT CHESTER, N.Y.—The contract for the new power house to be built by the New York & Stamford Electric R. R. Co., at this place, has been let to A. J. Carmichael. The building will be two stories, 30 ft. square.

ROCHESTER, N. Y.—A. L. Parker, Gen. Mgr., Rochester & Eastern Rapid Ry., 1201 Chamber of Commerce, Detroit, Mich. informs us that the contract for the road will probably be let to the Detroit Construction Co. The surveys are practically completed and the capital is assured. The road will extend from Rochester through Pittsford, Fairport, Victor, Canandaigua, and Geneva, having a total length of 45 miles. It will be operated electrically. John Winter, Pres., Detroit.——The directors of the Rochester R. R. Co. have decided to expend $500,000 on improvements to the company's service.

BELVIDERE, N. J.—Local papers state that Harry Morgan, of Trenton, has received the contract for building the Bangor, Portland & Delaware River Ry. Co.'s line, which will connect with the proposed Minisink electric railway from Strondsburg to Water Gap.

HARRISBURG, PA.—The Elizabeth & Monongahela St. Ry. has been chartered to build a line between those towns to be seven miles long. The company is capitalized at $42,000. W. T. Pierce, Chas. T. Moore, and John C. Denny, all of McKeesport, are interested. The rights of way are said to have been secured, and work on the construction will soon be started. The cost will be about $6,000 per mile for construction.

WILMINGTON, DEL.—The People's Ry. Co. proposes to build a trolley line between this city and Montchanin.

BIRMINGHAM, ALA.—The Birmingham Ry., Light & Power Co. will expend $1,832,000 this year in improving its system of street railways and other properties.——J. R. Adams and associates have petitioned the council for a right of way for a proposed new electric line to Ensley, six miles. The route has already been surveyed. The line will cost about $750,000.

AUSTERLITZ, KY.—Geo. W. Clay, of this place, informs us that he, with three other associates, has secured franchises and rights of way for the line of the Blue Grass Consolidated Traction Co. in Bourbon county, which will be 23.5 miles in length. It is not known at this time when contracts will be let by the company.

HARTFORD CITY, IND.—L. J. Schlessinger, Supt. Hartford City Interurban Ry., says that the plans for the new power house, car barns and repair shop to be erected at Eaton, are nearly completed, and contracts will shortly be let. The plans were prepar.d by Roberts & Co., Engrs., Cleveland, O., and call for buildings to cost about $125,000. Mr. Schlessinger is also quoted as stating that the road between Muncie and Montpelier will be in operation by next August.

LA GRANGE, IND.—Local papers state that J. F. Shuman and M. E. Griswold have contracted with the General Electric Co., Schenectady, N. Y., for the construction of the Goshen & Angola Electric Ry. The company agrees to build a road with 70-lb. rails on stone-ballasted tracks, to erect a $35,000 power house and equip the road so that cars may be run at a speed of 60 miles an hour. The capitalization of the new road will be $1,200,000.

NEWCASTLE, IND.—D. K. Cook, Ch. Engr., New Castle, Cadiz, Markleville, Pendleton & Western Traction Co., advises us that the complete survey has been made, and the rights of way are secured. Contracts will be let as soon as the road is fully financed. The length of the line will be 21 miles. Electricity will be used as motive power. Robt. H. Cooper, Pres., Cadiz.

CHAMPAIGN, ILL.—Local papers state that Dr. C. L. Van Dorn, Urbana, is now engaged in securing the right of way for a new electric line between Danville and Champaign. About 30 miles of the right of way has already been secured, and there remains only 20 miles to be negotiated for. The towns of Newton, Charity, Hope and Flattville will be touched.——M. W. Busey and W. I. Sappell are contemplating the building of an electric railway between Urbana and Penfield, the entire line to have a length of about 30 miles. Work will be started in the spring.

CHICAGO, ILL.—The Chicago & Western Ry. has arranged for the completion of its electric line between Chicago and Aurora.——L. Darrow, La Porte, writes that the right of way for the Chicago South Shore Ry. have been secured, and the surveys are completed. The contract is let to J. J. Burns, Stewart Bldg., Chicago. Bridges are partly in; ties are on the ground, and some grading is finished. The line will be 14 miles long, and will be operated by electricity. Warren C. Burns, Pres., Stewart Bldg., Chicago.

GALESBURG, ILL.—F. W. Latimer, Secy. Peoples Traction Co., of this city, writes that the entire right of way has been secured and the company's line is now under construction, with two miles completed. The road runs over public roads for a greater part of the distance. The route extends between this city and Abingdon, a distance of 12 miles. Electricity will be the motive power. Luke W. Sanborn, Pres.

LA SALLE, ILL.—The power house of the City Electric Ry. Co. at this place was destroyed on Jan. 15. The loss amounted to about $60,000.

MACOMB, ILL.—We are informed by the President of the Macomb & Western Illinois Ry. Co., W. A. Compton, of this city, that contracts will be let for construction in a short time. No survey has yet been made, but the right of way has been secured. The construction capital is provided for. The road will be 95 miles long, running through Macomb, Industry, Rushville, Beardstown and Stronghurst. It will be a standard gage electric, using 70 or 80-lb. rails. Heavy freight traffic will be carried on. The Chief Engineer is not yet selected.

SPRINGFIELD, ILL.—The DeKalb, Sycamore, & Northern Traction Co., with principal offices in Chicago, has been incorporated with a capital stock of $1,500,000, to build a line from DeKalb, Ill., to Sycamore. O. S. Baylies, Jacob H. Hopkins and Chas. T. Allen, Chicago, are interested.——The Southern St. Ry. Co. has been incorporated with a capital stock of $100,000. The object is to construct a street railway from Lake Calumet in Cook county to points to be decided on by the directors. Samuel J. Howe, Fred. S. Shooler and Clarence I. Piggott, Chicago, are interested.

MINNEAPOLIS, MINN.—Local papers of date Jan. 25 state that bids were to be opened early this week by the management of the Twin City Rapid Transit Co. on new construction, involving an expenditure of $700,000. The contract will be awarded as soon as possible, and work will then be pushed forward. The work will be in connection with the increase of electrical power. Announcement is made that the work projected for this year will require an expenditure of $1,385,000. Thomas Lowry, Pres.

SIOUX FALLS, S. DAK.—The council has granted the Central Heat, Light & Power Co. of that city, a franchise for the construction and operation of a local electric street railway system. The franchise stipulates that work must be started by May 15, and five miles be completed by Dec. 1 next.

HANNIBAL, MO.—Contracts will be let about March 1 for the construction of the Hannibal Ry. & Electric Co.'s line, to be four miles in length. The surveys are made, the rights of way secured and the construction capital provided for. J. S. Mainland, Mgr., Hannibal, informs us that the company will need four new cars and five complete electric equipments for cars; also a bridge 12 ft. wide, spanning a river 85 ft. wide. Wm. Mainland, Pres., Oshkosh, Wis.

ST. LOUIS, MO.—The Bellefontaine shed of the St. Louis Transit Co. and between 50 and 75 cars were destroyed by fire on Jan. 10, causing a loss of about $60,000.

FRESNO, CAL.—A franchise has been granted for an electric road in this city and suburbs. The construction has been started, and six miles must be built within the first six months. S. N. Griffith, Res. Dir.; J. B. Johnson, Cy. Clk.

LOS ANGELES, CAL.—The Los Angeles Traction Co. will build a line from the Smelter of Ivanpah, at the Copper World mine, San Bernardino county, to the California Eastern R. R., a distance of 12 miles.

SAN FRANCISCO, CAL.—The Market St. Ry. Co. is considering plans for the conversion of the steam dummy road on Fulton St. into an electric line, and its extension from the present terminus to the ocean beach. Surveyors are now laying out the route, and if the present plans are carried out the work will be completed within the year.

SANTA PAULA, CAL.—J. W. Burson and H. M. Russell have applied to the board of supervisors for franchises to construct an electric railway between Santa Paula and Sespe; also from McIntyres' place at the last-named place to Devil's Gate.

VENTURA, CAL.—G. C. Power, Pres. Ventura & Ojai Valley Ry., Ventura, informs us that the company's lines for the present will be operated in this place only, having a length of 2¼ miles. It is to be operated by horse power. The road will later be extended to Santa Paula, 16 miles to the east; Nordhoff, 16 miles to the north, and to Oxnard, 16 miles to the southeast.

ELECTRIC LIGHT AND POWER.

EXETER, N. H.—The Rockingham County Light & Power Co. has filed a mortgage of $600,000. The company is reported as arranging to extend its lines.

BRATTLEBORO, VT.—The Brattleboro Gaslight Co. will increase its capital stock to $100,000, the proceeds to be used for building a dam on West River at West Dummerston. About 700 HP. will be secured and transmitted to this place, six miles distant. Dr. H. D. Holton, Pres.; C. F. Thompson, Clk. and Treas.

DANVERS, MASS.—The question of extending the electric plant is being considered.

SALEM, MASS.—The Salem Electric Lighting Co. is to immediately install new engines and generators at a cost of $100,000.

PAWTUCKET, R. I.—The question of the municipal ownership of the electric plant is being considered.

BINGHAMTON, N. Y.—The Binghamton Light, Heat & Power Co., recently incorporated with a capital stock of $100,000, will probably take steps at once towards the reconstruction of the plant of the Binghamton General Electric Co., which it will purchase. Col. Geo. W. Dunn and Fred. W. Jenkins are interested.

HEMPSTEAD (L. I.), N. Y.—Bids are asked by the village board until Feb. 7 for lighting the streets, and also for furnishing a new boiler for the water-works. The successful light company will have until May 1 to install a plant. The Roslyn Light & Power Co. already has a plant.

NEW YORK, N. Y.—The Mutual Electric Lighting & Power Co. proposes to build an electric plant in W. 44th St., between Broadway and 6th Ave.

SODUS, N. Y.—The question of building an electric plant is again being considered.

CAMDEN, N. J.—Bids are asked until Feb. 1 by W. H. Brown, Ch. Engr., Penn. R. R. Co., Philadelphia, for building a steam heating and electric plant at Federal St., Camden, to be 87 × 130 ft.——The council will soon be asked to consider the matter of building an electric plant, at a cost of about $100,000.

EAST ORANGE, N. J.—The United Electric Co. of N. J. has been authorized to extend its plant and to construct subways before December, 1902. There is considerable talk in favor of a municipal electric plant. Address Mayor Bruen and City Engineer Reimer.

TRENTON, N. J.—Bids are asked until Feb. 4 for furnishing 200 Welsbach gas and 200 Welsbach naphtha lights for a period of one, two or three years. C. E. Murray, Cy. Clk.

ALLEGHENY, PA.—Bids are asked until 2 p. m., Jan. 30, for two 500-K-W. and one 250-K-W. two-phase alternating current and two 37½-K-W. D. C. generators, automatic stokers, four compound engines, two of 750 HP., four water-tube boilers, steam and water lines, four 250-HP. boilers, switch boards, etc. Robt. McAfee, Dir. Dept. Pub. Wks.

BERWICK, PA.—The Berwick electric light plant has been purchased by Robt. Adams & Co., the consideration not being made public, who will spend at least $10,000 in improvements.

DUNBAR, PA.—Reports state that the Dunbar Electric Co. will build an electric plant at once.

FACTORYVILLE, PA.—The council is considering the matter of lighting this place by electricity.

McKEESPORT, PA.—The council has postponed awarding the 3-year contract for electric lighting to the Monongahela Light & Power Co. The council is considering the question of erecting a municipal electric plant. J. J. Bedell, Chn. Light Com.

PHILADELPHIA, PA.—Bids are asked by the Pennsylvania R. R. Co. until Feb. 3 for a new power house, 71 × 75 ft., and a boiler house, 26 × 49 ft., at the Renovo shops.

READING, PA.—The Reading Ry. Co. proposes to utilize the water power of the Schuylkill Canal, and an electric plant will be erected.

NEWPORT NEWS, VA.—The council is considering the question of buying the plant of the Consumers' Light, Heat & Ice Co. for $95,000.

WHEELING, W. VA.—The question of buying or building an electric plant, to cost about $150,000, is being considered.

LINCOLNTON, N. C.—A committee will soon report on the matter of building an electric plant.

CHARLESTON, S. C.—The council has submitted a report on the better lighting of the streets, improvements to the plant, etc. It is probable that bids will soon be asked for both gas and electric lighting.

SANDERSVILLE, GA.—The Sandersville Enterprise Co. proposes to build an oil mill and electric plant.

TAMPA, FLA.—An election will be held Feb. 4 to vote on the question of making an electric light contract with J. P. Martin, of Xenia, O., who proposes to build a plant. F. L. Wing, Mayor.

BIRMINGHAM, ALA.—The Southern Industrial Co. proposes to build a power plant of 5,000 HP. capacity; estimated cost, $500,000. W. C. Whitner, Engr., Rock Hill, S. C.

HUNTSVILLE, ALA.—Reports state that the council is considering private bids for furnishing and erecting an electric plant to cost about $40,000.

HUNTSVILLE, ALA.—Press reports state that a special council committee will report in favor of the establishment of a municipal electric light plant, to be run in connection with the pumping station.

OZARK, ALA.—This place is considering the establishment of an electric light plant. Joseph E. Acker is the mayor.

NEW ORLEANS, LA.—Bids are asked until Mar. 24 for constructing an electric lighting system and operating the same for ten years. V. Tujague, Comptroller.

LEXINGTON, KY.—It is reported that the council committee on water and light will advise that from fifty to one hundred more lights be added to the street lighting system.

SOUTH BROOKLYN, O.—Bids are asked until March 1 for furnishing the materials and erecting an electric plant, and also for the purchase of $30,000 of 20-year 5% bonds for the same. C. H. Smith, Elec. Engr.; W. T. Pupikofer, Clk.; J. W. Rogers, Mayor.

INDIANAPOLIS, IND.—According to reports the Indianapolis Gas Co. is to build a gasometer 160 ft. high and 184 ft. in circumference. The new plant is to have a capacity of 5,000,000 ft. a day, and will cost about $350,000. Work is to commence early in the spring.

HILLSDALE, MICH.—H. C. Blackman, Mayor, writes us that the matter of extending the electric plant will be submitted to the voters in April.

CHARLESTOWN, ILL.—According to press reports a receiver has been appointed for the Charlestown Light, Heat & Power Co.

GREENVILLE, ILL.—Reports state that E. C. Bruckman, Mgr. Imperial Electric Light Co., of St. Louis, Mo., has sold his electric plant to Edmond Demoulin, J. Seaman, C. L. Holles and other local parties for $25,000.

LA SALLE, ILL.—The proposition of W. B. McKinley, of the Peru-La Salle Gas Light & Power, for the purchase of the plant and property of the Enterprise Heat, Light & Power Co. has been accepted by the stockholders of the latter company. Mr. McKinley agrees to improve both the gas and electric lighting systems.

LA SALLE, ILL.—Kerr Murray, of Fort Wayne, Ind., has been awarded the contract for the gas holder and the machinery for the new gas plant, plans for which were prepared by Engineer Bixby, of Decatur. The Parker-Russell Mfg. Co., of St. Louis, Mo., has the contract for the furnaces. Address General Manager Bedard.

SULLIVAN, ILL.—Bids are asked until Feb. 17 for furnishing electric light for this city. D. G. Lindsay, Cy. Clk.

LA CROSSE, WIS.—It is reported that the La Crosse City Ry. Co. will be consolidated with the La Crosse Gas & Electric Co., which recently combined with the La Crosse Gas Co., the Edison Light & Power Co., and the La Crosse Brush Light Co. It is further said the interests of the street car and lighting companies will be bought by Chicago parties, who will operate with a capital of $2,000,000.

MADISON, WIS.—Articles of incorporation of the Citizens' Gas & Electric Co. have been filed. The incorporators are H. H. Morgan, H. T. Sheldon and Miss Mary Oakey, all of Madison. The capital stock is $200,000.

MARINETTE, WIS.—L. J. White has asked for a franchise for building and operating an electric plant.

MONROE, WIS.—J. H. Eaton, it is stated, is organizing a company with a capital of $50,000 to build a gas plant to cost about $35,000.

ONALASKA, WIS.—Reports state that La Crosse parties will build an electric plant here. The company's capital will be $75,000.

OSKALOOSA, IA.—Harry O'Neil and J. F. Springfield, of Ottumwa, have asked the council for a franchise for an electric light plant in this city.

DULUTH, MINN.—The contract for a new generator for the gas plant, capable of generating 350,000 ft. of gas a day, has been let to the Economical Gas Apparatus Co., Toronto, for $5,791.

ST. PAUL, MINN.—Contracts for temporarily maintaining gasoline lamps in the streets have been let as follows: Maintaining 1,800 "ordinary" gasoline lamps, Cleveland Vapor Light Co.; maintaining 600 incandescent lamps, American Development Co., St. Paul.

WINFIELD, KAN.—A special election has been ordered for Feb. 25 to vote on the issuance of $20,000 in bonds for the erection of an electric light plant.

COLUMBUS, NEB.—Press reports state that Fritz Jaeggi, of Switzerland, who is now visiting the U. S., President Nebraska Central Irrigation Co., is planning to begin the construction of the proposed power and irrigation canal system. A power plant will be built three miles from here to have a capacity of about 12,000 HP. The power will be transmitted to Columbus, Schuyler, Fremont, Lincoln and Omaha. H. E. Babcock, of Columbus, is interested.

PIERCE, NEB.—A. C. Koenig, Hydr. Engr., 316 Bee Bldg., Omaha, Neb., has been engaged to prepare plans and specifications for an electric light plant, which is to be operated in connection with the proposed municipal water-works plants, plans for which are also being prepared by Mr. Koenig. L. R. Hertert, Clk.

SOUTH OMAHA, NEB.—According to reports a franchise is to be asked by a new company for the right to manufacture acetylene and all other kinds of gas, and to erect and maintain a plant in this city.

GLENDIRE, MONT.—A franchise for an electric light plant has been granted Alexander Hughes. Work will be commenced as soon as the weather will permit.

MONROE CITY, MO.—The Monroe City electric light plant was totally destroyed by fire last week. Loss, about $10,000; partially covered by insurance.

DALLAS, TEX.—The board of police and fire commissioners is investigating the question of establishing a city plant.

BRENHAM, TEX.—The mayor has recommended that the city build its own electric plant. Aldermen Houbelt, Mathis and Jaeggile are on a committee to consider the matter.

HOUSTON, TEX.—A resolution has been introduced in the council for an issue of $100,000 in bonds for the erection of an electric light plant.

AGUILAR, COLO.—Citizens are agitating the municipal lighting question or the establishment of an electric plant in this place.

PORTLAND, ORE.—An ordinance is before the council for granting a 50-year franchise to C. H. Baker, of Seattle, Wash., for furnishing electric light and power.

BAKERSFIELD, CAL.—Wm. G. Kerckhoff has filed a claim for 5,000 inches of water of Salem Creek for power purposes, and H. H. Sinclair has also filed claims for 10,000 inches of water of middle fork of same stream for generating electricity.

HIGHLAND, CAL.—It is reported that the Arrowhead Reservoir Co. is planning to establish an electric plant at a point somewhere near this place.

PLACERVILLE, CAL.—The Central California Electric Co. has applied for a franchise to run poles and wires for transmitting electricity. Bids for said franchise will be received until Mar. 4. J. B. Landis, County Clk.

SAN BERNARDINO, CAL.—A proposition is before the trustees to provide $50,000 for the erection of a municipal electric plant.

SAN FRANCISCO, CAL.—It is reported that the San Francisco Gas & Electric Co. is to expend $20,000 on an additional water gas plant. A. D. Grimwood, Secy.

KINGMAN, ARIZ.—A franchise for electric lighting this place for a term of five years has been granted to Howard W. Kemper. Plant is to be in operation in eight months.

BROMPTON, ONT.—We are informed that the gas plant here, franchises, etc., are offered for sale by E. R. C. Clarkson, of Toronto, Ont.

NEW MARKET, ONT.—Lieut. C. Lloyd is seeking incorporation for a company for the purpose of generating and selling electricity in York and Simcoe counties.

ORILLIA, ONT.—This place is raising $50,000 for the extension of the municipal electric plant. C. E. Grant, Clk.

NIAGARA FALLS, ONT.—The contract for building the wheel pit and intake canal in the Queen Victoria Niagara Falls Park for the Canadian Niagara Power Co. has been let to Dawson & Reilly, St. Catherines, Ont. Daniel P. Jones has been engaged as the supervising engineer.

BRIDGES.

SKOWHEGAN, ME.—It has been decided to rebuild the swing bridge at this place and also that at Colebrook.

RUTLAND, VT.—It is said that bids will soon be asked by the Rutland Ry. for building six steel bridges at a cost of about $300,000. Thos. F. Chappell, Ch. Engr.

DARMOUTH, MASS.—An issue of $30,000 in bridge bonds has been sold.

CANAJOHARIE, N. Y.—A bill has been introduced in the legislature appropriating $12,680 to build a swing bridge over the Erie Canal.

CORTLAND, N. Y.—The Owego Bridge Co. has been awarded a contract at $4,350 for replacing the 13 bridges washed away by the recent floods, with iron structures.

HANCOCK, N. Y.—The Owego Bridge Co. has been awarded a contract for building a new span in the Harvard bridge at $1,700.

RENSSELAER, N. Y.—The question of building a bridge over the railroad tracks at Third Ave. is being agitated.

ROCHESTER, N. Y.—Plans and specifications for a bridge over the Erie Canal at Plymouth Ave. have been approved by the canal board and Supt. Boyd will ask for bids at once.

ROME, N. Y.—The proposed bridges will cost as follows: 34-ft. roadway, paved with brick and two 7-ft. walks at James St., $20,000; 34-ft. roadway, paved with brick, and two 6½-ft. walks at Washington St., $22,000. Address Mayor Caswell.

SOUTH VALLEY, N. Y.—A bill has been introduced in the legislature, appropriating $20,000 for constructing a bridge over the Allegheny River at this place.

OXFORD, N. J.—The Berlin Wrought Iron Bridge Construction Co., New York, N. Y., has been awarded a contract for erecting a bridge at $1,500.

PLAINFIELD, N. J.—The New Jersey Central and Philadelphia & Reading R. R. Cos. will erect an iron-girder bridge at Middlebrook, the contract for the substructure of which has been let to Gaston & Richardson, Somerville.

CHAMBERSBURG, PA.—A stone bridge may be erected over Conococheague Creek at West Market St.

DOYLESTOWN, PA.—Bids are wanted by the county commissioners until Feb. 24 for the stone masonry of a bridge at Child's ford in Plumstead township.

MAUCH CHUNK, PA.—The grand jury has recommended the construction of an inter-county bridge across the Lehigh River at Tannery. Luzerne county has yet to act in the matter.

PITTSBURG, PA.—Bids are asked until Feb. 5 for rebuilding the substructure and the superstructure of the Lincoln Ave. bridge at an estimated cost of about $80,000 for each. J. Guy McCandless, Dir. Pub. Wks.

PITTSBURG, PA.—The following bids have been received for tearing down the South Tenth St. bridge: J. E. Walsh, $9,700; American Bridge Co., $9,975; Cronin & O'Hara, $10,800; C. M. Driver, $8,773 (awarded contract).

SUNBURY, PA.—Plans are being prepared by the Pennsylvania R. R. Co. for a bridge to replace the Lycoming Creek bridge, which was carried out by the flood in Dec.

WASHINGTON, PA.—Viewers have selected a site for the proposed Washington-Greene county bridge, which will be a steel structure, with a 135-ft. span.

NORFOLK, VA.—The Bay Shore Terminal Co. has been granted a permit to construct a railway trestle across Smith's Creek from Dunmore St. to Mowbray Arch, Ghent. H. L. Page, Pres.

CLAY, W. VA.—The following bids were received on Jan. 20 for constructing a bridge across Elk River, as advertised in Eng. News: superstructure, American Bridge Co., (A) $8,646, (B) $7,026; Bellefontaine Bridge Co., (A) $8,371, (B) $7,500; Brackett Bridge Co., (A) $6,800, (B) $5,700; Canton Bridge Co., (A) $9,500, (B) $7,200; Champion Bridge Co., (A) $7,500; King Bridge Co., (A) $8,395, (B) $5,943; Mt. Vernon Bridge Co., (A) $7,568, (B) $7,405; Walker Bros. Bridge Co., (A) $8,150, (B) $7,250; York Bridge Co., (A) $8,500, (B) $6,900; Penn Bridge Co., Wm. Farris, Cont'g Agt., 842 Sheridan St., Pittsburg, Pa., (A) $6,985, (B) $6,485 (awarded contract at $6,985). Bids for substructure are under Contract Prices.

LITTLE FALLS, W. VA.—The county will be petitioned to build a bridge across the Monongahela River at this place.

WILMINGTON, N. C.—Mayor Alfred Moore Waddell writes us that the following bids were received on Jan. 20 for constructing a bridge over the Atlantic Coast Line tracks at 5th St., as advertised in the Eng. News: American Bridge & Steel Co., Atlanta, Ga., $5,885; Virginia Bridge & Iron Co., Roanoke, Va., $5,100; Culley & Co., Atlanta, Ga., $4,625; Geo. C. Craft Co., Atlanta, Ga., $4,440 (awarded contract).

QUINCY, FLA.—Bids are asked until Feb. 4 for building a bridge over Mosquito Creek at River Junction and a bridge on upper Chattahoochee road. Thos. Mitchell, Clk. Circuit Court.

SELMA, ALA.—The board of revenue has ordered an iron bridge to be erected over Valley Creek, about three miles from this city.

ABERDEEN, MISS.—Bids are asked until Feb. 3 for building a bridge across Dry Creek on Sipsey road. T. O. Jones, Clk. Bd. Supervisors.

LEXINGTON, KY.—The Lexington & Georgetown Traction Co. has rejected all bids received for constructing a bridge over the Cincinnati Southern R. R., and new bids will be called for soon.

AKRON, O.—J. W. Payne, Cy. Engr., writes us that bids have been received and bonds sold for the Falor St. bridge and that the matter is held up with the object of changing the location to Wooster Ave.

MINGO JUNCTION, O.—Press reports state that bids are being received for constructing the substructure of the Wabash R. R. bridge, which will require about 15,000 yds. of masonry. Capt. Alfred P. Boller, Consulting Bridge Engr., New York, N. Y.

INDIANAPOLIS, IND.—Bids will soon be asked for a stone, concrete arch or steel 450-ft. bridge over White River at Washington St., to replace the three-span iron structure which collapsed on Jan. 17. Address City Engineer Nelson.

INDIANAPOLIS, IND.—Bids are asked until Feb. 5 for building the approach to a bridge over White River at Huffman's Ford. Harry B. Smith, County Audr.

MISHAWAKA, IND.—The question of constructing a bridge across the St. Joseph River is before the council.

TERRE HAUTE, IND.—The question of constructing a concrete bridge over the Wabash River is being discussed by the county commissioners.

ALBION, MICH.—The Detroit & Chicago Traction Co. has filed plans for a bridge 135 ft. long over the railway tracks and the Kalamazoo River.

SAGINAW, MICH.—H. E. Terry, Cy. Engr., writes us that bids are asked until Feb. 27 for constructing the Genesee River bridge at an estimated cost of $175,000.

BLOOMINGTON, ILL.—W. B. Barnett, Maroa, has been awarded a contract at $2,850 for building an iron bridge over Salt Creek, near Maroa.

CHICAGO, ILL.—The council has appropriated $5,000 for constructing a temporary draw footbridge across the Chicago River at State St. Address City Engineer Ericson.

CHICAGO, ILL.—Bids are asked until Feb. 27 for constructing foundations, abutments and piers for four aqueduct bridges on western section, Illinois and Mississippi Canal, as stated in our advertising columns. Maj. J. H. Willang, U. S. Engr., 1637 Indiana Ave.

CHIPPEWA FALLS, WIS.—The following bids were received by the county board on Jan. 16 for constructing a stone pier at the east end of the Yellow River bridge (all rejected): Felix, Ermatinger & Valquett, $1,617; George Barrington, $1,857; Lee Barrington, $1,975; R. E. McKay, $2,016; W. W. Parker, $1,980.

MILWAUKEE, WIS.—An ordinance is to be presented to the council asking for an issue of $100,000 in bonds for the Sixth St. viaduct.

RACINE, WIS.—The question of engaging an expert to report on the condition of the Main and State St. bridges is being considered by the council.

CEDAR RAPIDS, IA.—It is rumored that the Northwestern & Illinois Central R. R. contemplates extensive improvements, including the A Ave. viaduct.

DAVENPORT, IA.—A survey has been made and bids may be asked at once for constructing a 65-ft. bridge to connect the city with City Island at Warren St. Address City Engineer Murray.

MINNEAPOLIS, MINN.—It is reported that the Wisconsin Central R. R. is planning to erect another bridge between Boom and Nicollet Islands.

CROOKSTON, MINN.—The city has petitioned the county to erect a $10,000 bridge at the end of Main St.

ST. PAUL, MINN.—Bids are asked until Feb. 4 for enlarging the bridge connecting the south shore of the Mississippi River with Harriet Island. Matt Jensen, Cy. Clk.

ABILENE, KAN.—Reports state that an iron bridge will be built across Mud Creek, near Manchester.

WICHITA, KAN.—Plans have been adopted by the county commissioners and the clerk instructed to advertise for bids for an 85-ft. steel bridge across the Little Arkansas River in Valley Center township.

NEBRASKA CITY, NEB.—Bids are asked until Feb. 19 for constructing flat bridges or pile bridges, eye-beam bridges, 20 and 25 ft. spans; plate girders, 30, 35, 40 and 45-ft. spans; pin-connected trusses, 75, 90 and 105-ft. spans; web girders, 52 and 60-ft. spans, during the year ending Mar. 1, 1903. Alternate bids will be received on wooden and steel floor joists, 8 and 10-in. top red cedar piling, or iron cylinders, 24, 30 and 36-in. diameter. H. R. Young, County Clk.; A. M. Munn, Des. Engr.

SOUTH OMAHA, NEB.—The South Omaha Railroad & Bridge Co. has been incorporated at $500,000 to bridge the Missouri River and operate a railroad.

CANTON, S. DAK.—Bids are asked until Feb. 4 for wooden county bridges to be built the ensuing year; also for steel bridges, not to exceed 60 ft. in length. Jonas Minot, County Audr.

CASCADE, MONT.—The county commissioners have decided to build a stone pier and new stringers and replank the bridge over the Missouri River at this place.

HANNIBAL, MO.—J. S. Mainland, Mgr. Hannibal Ry. & Elec. Co., informs us that a bridge, 12 ft. wide, will be needed to span a rixer 85 ft. wide.

DALLAS, TEX.—A bridge on the M., K. & T. Ry. over a branch of Trinity River, near Fouston, was burned on Jan. 19.——Arrangements are being made to construct a 90-ft. iron bridge across the Bachman branch reservoir. R. W. Eaton, County Com.

EL RENO, OKLA. TER.—The proposed bridge over the South Canadian River will cost $6,000 for a pile bridge and $15,000 for a steel structure.

TACOMA, WASH.—City Engineer Taylor has been instructed to prepare an estimate of the cost of building a bridge across the Puyallup at Eleventh St.

MADERA, CAL.—Bids are asked until Feb. 5 for constructing a bridge aver the south fork of the north fork of the San Joaquin River. C. J. Eubanks, Clk. Supervisors.

SAN JOSE, CAL.—Bids are asked until Feb. 17 by the supervisors for constructing a combination bridge over Stevens Creek at Father's Villa.

SANTA MONICA, CAL.—Bids are asked by the trustees until Feb. 17 for the purchase of $25,000 in bridge bonds and $35,000 in city hall bonds.

SALT LAKE CITY, UTAH.—Fourth Vice-President Kruttschmitt, of the Southern Pacific Ry. Co., is quoted as saying that a bridge 23 miles long will be built across the Great Salt Lake.

MONTREAL, QUE.—It is reported that plans are being perfected for the proposed single-span bridge across the St. Lawrence River.

BURLINGTON, ONT.—It is reported that bids will soon be asked by the Grand Trunk Ry. for building a steel bridge, at an estimated cost of $40,000.

RAT PORTAGE, ONT.—A bridge is to be erected across the Winnipeg River, between Rat Portage and Keewatin, at a cost of $12,000. Mayor Cameron and W. [illegible] Moran are interested.

SAULT STE. MARIE, ONT.—The Sault Ste. Marie Bridge Co. has ben incorporated to construct and maintain a bridge across St. Mary's River in A[illegible] township.

BUILDINGS.

PRESQUE ISLE, ME.—Mr. Perry is contemplating rebuilding his opera house at this place, which was burned about two years ago. The new building will be of brick, steam heated, and will cost $30,000.

BOSTON, MASS.—Bids are asked until March 1 for the construction of a brick and steel building at the navy yard, Boston; estimated cost, $170,000. M. T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., Washington.

SPRINGFIELD, MASS.—Plans are being prepared for Pascal L. Morse for the new 5-story business block which he will erect at Main and Stockbridge Sts., to be 72 x 65 ft., and to cost $70,000.

WORCESTER, MASS.—Frank H. Bigelow has had plans prepared for a 5-story brick block to be erected at Commercial and Mechanic Sts., at a cost of $50,000. The plans call for a building 104 x 80 ft. Wm. E. Putnam, Jr., Arch., 1 Somerset St.

NEW HAVEN, CONN.—The matter of consolidating the Quinnipiac and the Union League Clubs is being considered. If the consolidation is effected, a new club-house will be built, costing probably $125,000.——The directors of the New Haven Water Co. are considering plans for a new building to be erected on Crown St. in the spring.

ALBANY, N. Y.—A new 12-story building will be erected on the site of the present Museum building, and will be occupied by the Albany Trust Co.——A bill will be introduced in the legislature giving authority to Union College to erect a building for scientific purposes.

ALBANY, N. Y.—The building used by the Western Union Telegraph Co. has been purchased by a syndicate of New York city men, who propose to build an office building in its place. John D. Parsons, Jr., Pres. Albany Trust Co., is interested.

BROOKLYN, N Y.—It is stated that the secretary of war will request congress to vote an appropriation of $300,000 for the improvement of Fort Hamilton.

BROOKLYN, N. Y.—The Brooklyn Lodge, No. 22, Benevolent Protective Order of Elks, has decided to erect a new club house at No. 123 Schermerhorn St., to cost $30,000. Work will begin about April 1. Wm. J. Buttling, Chn. Com.

BUFFALO, N. Y.—A tract of 105 acres of land has been purchased by Chicago capitalists, represented by Geo. V. Hankins and M. S. Denslow, and will be used in the construction of a race course and club house. About $175,000 will be expended.

FREEPORT, N. Y.—The board of trustees of the state hospital for the care of tuberculosis patients will soon adopt plans for the new buildings at Raybrook on Lakes Placid and Saranac.

GLOVERSVILLE, N.Y.—It is expected that the Gloversville Free Library will be housed in a $50,000 building before long.

ITHACA, N. Y.—The plans drawn by Arthur N. Gibb, Architect, for the new mechanical laboratory for Sibley College, Cornell University, will probably be used. The cost of the structure will be about $250,000. The money is not yet secured.

NEW YORK, N. Y.—Land has been secured by the A. C. & H. M. Hall Realty Co. for the hotels and theatre to be built in Harlem, and plans are being prepared by Neville & Bagge, Archs., 217 West 125th St.——The estate of the late Gordon L. Ford has been sold by the D. & M. Chauncey Real Estate Co. in Brooklyn, to a syndicate of Manhattan capitalists, who propose to erect a large hotel and apartment house. The building is to be about 12 stories high, 100 x 100 ft.——Plans have been prepared by W. B. Lubby & Bro., Archs., 81 Fulton St., for alterations to the building owned by the Lincoln Safe Deposit Co., on 42d St. The building is nine stories high, and the alterations will consist of increasing the thickness of the walls from 16 to 20 ins.——Eugene S. Reynal is said to have awarded a contract for building a country house for himself near Mamaroneck Boulevard, to Fountain & Choate, contractors, at $250,000.

NEW YORK, N. Y.—Plans have been filed by Mrs. J. S. Parker, 823 West End Ave., for two 5-story brick dwellings, 38 x 86 ft., in 51st St., east of Madison Ave., to cost $100,000. C. I. Berg, Arch., 571 Fifth Ave.; by the New York Telephone Co., 15 Dey St., for a 4-story brick telephone exchange, with offices, 55 x 94 ft., at 110-14 East 58th St., to cost $125,000. C. L. W. Eidlitz, Arch., 1123 Broadway; by J. R. Van Wormer, 344 West 57th St., for alterations to the 9-story storage house on the south side of 42d St., used by the Lincoln Safe Deposit Co., to cost about $125,000. W. B. Tubby & Bro., Archs.; by L. & H. Runkel, 449 West 30th St., for a 9-story brick factory and storage building, 50 x 90 ft., at 445-47 West 30th St., to cost $55,000. G. F. Pelham, Arch., 503 Fifth Ave.; by S. Parker, 823 West End Ave., for two 5-story buildings in 51st St., east of Madison Ave., 21 x 70 ft., to cost about $120,000. Buchanan & Fox, Archs., 11 East 59th St.; by the Church of St. Rosa of Lima, for a 2-story brick church, 70 x 105 ft., at 502-10 West 165th St., to cost $70,000. J. H. McGuire, Arch., 45 East 42d St.; by A. C. Gallatin, 671 Fifth Ave., for an 8-story building, 48 x 100 ft., at 892 Broadway, to cost $300,000. J. B. Snook & Sons, Archs., 261 Broadway; by W. & M. L. Brewster, 264 West 57th St., for a 5-story brick stable, 50 x 90 ft., at 318-20 West 48th St., to cost $35,000. C. H. Caldwell, Arch., 160 Fifth Ave.

POUGHKEEPSIE, N. Y.—Bids are wanted by the Armory Commissioner, Albany, until Feb. 7 for repairs and improvements to the state armory building at this place. G. L. Heins, State Arch., Capitol, Albany.

ROCHESTER, N. Y.—Leon Stone, Arch., informs us that the new club house for the Rochester Athletic Club will be of stone, three stories, 62 x 114 ft., equipped with steam heat, and will cost $30,000.

ROME, N. Y.—The preliminary plans for the addition to the court house building in this city have been completed by Frank W. Kirkland, Arch. The addition will be 25 x 84 ft.

WATERTOWN, N. Y.—Plans and estimates are wanted by the committee on county buildings until March 15 for a new public building at Arsenal St. John R. Pawling, Chn. Com., 16 Taggart Block.

ATLANTIC CITY, N. J.—Plans for a new hotel-sanitarium to be erected in Chelsea by the Agnew Co., have been made public. The building will be five stories, of

Romanesque style of architecture, containing 225 guest chambers. It will be 163 x 150 ft. The company is capitalized at $250,000. Clarence M. Busch and Dr. W. R. Ball, of this city; C. C. Wanamaker and Frank S. Brant, of Philadelphia, Pa., are interested. Milligan & Webber, Archs., 520 Walnut St., Philadelphia.

EASTON, PA.—The bids received for the new public library at this place, for which Andrew Carnegie donated $50,000, were all in excess of that figure. The bidders were: Steinmetz & Walter, Lerch & Bro. and H. D. Folkenson, of Easton; Hedden & Son, Newark, N. J., and H. Brobst, New York.

GREENVILLE, PA.—Bids are asked until Feb. 11 for the construction of a city building, as stated in our advertising columns. A. J. Gillespie, Secy. Borough.

MONACA, PA.—Bids are asked by N. Wurzel until March 1 for building a 3-story brick hotel on Pennsylvania Ave.

NORRISTOWN, PA.—The following bids were received by the county commissioners on Jan. 23 for the erection of an addition to the court house: Cramp & Co., Philadelphia, $178,000; Wm. Miller & Son, Pittsburg, $155,354; Herman Rebe, Lansford, Pa., $189,000; Henderson & Co., Philadelphia $213,000; Keeler & Heebner, Norristown, $224,500; Shoffner & Bro., Norristown, $199,980.

PHILADELPHIA, PA.—Plans are being prepared for an 8-story building at 16th and Callowhill Sts., to be used as a general depot, storage warehouse and terminal station for the Philadelphia & Suburban Express Co., recently incorporated, with a capital stock of $500,000. The building will cost $225,000, and will be 100 x 200 ft. Edwin P. Young, Pres.——Plans will soon be started for the erection of a new Manual Training School at Bread and Jackson Sts. The site measures 180x265 ft.——Milligan & Webber, Archs., 520 Walnut St., are preparing plans for the proposed building to be erected by Machin & Brown, builders, at 18th and Chestnut Sts.

PITTSBURG, PA.—John R. Cavanagh, of Cavanagh & Co., has plans for four flat buildings, to be erected at a cost of $50,000. The buildings will be four stories, and two will be located in 42d St. and two in 43d St.——The Duquesne Club has decided to issue $550,000 in bonds to provide for the erection of a new club house. Architects are now working on plans.——It is announced that H. C. Frick will build a new hotel at Sixth Ave. and Grant St., to cost $5,000,000. The new building will be 217 x 217 ft., and will be 13 stories high. D. H. Burnham & Co., Archs., 1142 Rookery Bldg.

BALTIMORE, MD.—Bids are asked until Feb. 5 for erecting a school at Walbrook Ave. and Smallwood St., and one at 22d and Cromwell Sts. Thos. G. Hayes, Pres.——It is stated that J. Edward Bird & Co. will extend their store on the southeast corner of Lexington and Park Aves.

HAGERSTOWN, MD.—The sum of $50,000 has been donated by a citizen of this town for the establishment of a hospital building.

RICHMOND, VA.—The work of tearing down the St. Claire Hotel will begin next month, and later the new structure will be started. It will cost $100,000, and will be conducted by Mrs. A. D. Atkinson when completed.——The building occupied by E. W. Gates & Son, and Moulton & Tallmadge was burned last week, but will be rebuilt at once. The structure was owned by the Newton and Williams estate.

JACKSONVILLE, FLA.—The contract for the erection of the new county court house has been let by the county commissioners to M. B. Lewman, contractor, Louisville, Ky., at $74,875.

LINDEN, ALA.—The Marengo county commissioners have awarded the contract for the new court house to Dobson & Hand, Jasper, Ala., at about $40,000.

LOUISVILLE, KY.—The board of directors of the Commercial Club has appointed a committee to secure options on a site for a coliseum to cost $200,000. D. F. Murphy, Chn.

BRIDGEPORT, O.—The Hostetter Bitters Co., Pittsburg, has purchased land for a sanitarium in this place.

CLEVELAND, O.—Lehman & Schmitt, Archs., have prepared plans for a 3-story apartment house at Payne Ave. and Murison and Walnut Sts., to cost $50,000. The building will be erected by Chas. Zucker and Max Littwitz.——Plans are being prepared by B. W. Corning, Arch., for a 3-story apartment in the East End, to cost $45,000, and to measure 103 x 121 ft.——It is stated that the contract for preparing plans for the new county court house will soon be let by the commissioners.

FINDLAY, O.—Bids are asked until Feb. 8 for the construction of a city hall, to be three stories, 50 x 200 ft., of stone and brick construction, as stated in our advertising columns. Frank C. Ray, Cy. Clk.

TOLEDO, O.—The property at Madison and Huron Sts. has been purchased by A. L. Spitzer, and a new building will be erected to cost not less than $300,000, to be known as the Spitzer Arcade.

YOUNGSTOWN, O.—U. A. Andrews, of this city, is asking Pittsburg contractors for bids for the erection of a ten-story office building at this place, to be of brick and stone construction, and to cost $100,000.

INDIANAPOLIS, IND.—Rankin & Kellogg, Archs., 1024 Walnut St., Philadelphia, Pa., have won the competition for the drawing of plans for the U. S. court house, custom house and post office building, to be erected in this city. It will be four stories high, 350 x 175 ft., and will cost about $1,500,000. The plans will be ready for builders some time in February.

RICHMOND, IND.—The Methodists of Indiana are planning to build a hospital here, to cost about $200,000.

DETROIT, MICH.—Mortimer L. Smith & Son, Archs., 78 Home Block, have prepared plans for an apartment house to be erected by Hannah & Tuffts, in Jefferson Ave. It will be 75 x 200 ft., 10 stories high, and will cost $250,000.——C. A. Pearce, Arch., Hancock, has plans for a three-story brick business block to be erected in the spring for the Ryan Estate, at an estimated cost of $40,000.——Plans have been prepared by A. C. Varney & Co., Archs., 58 Newberry Bldg., for an apartment house for the estate of John Pridgeon, in Alfred St., to cost $40,000 It will be 100 x 46 ft.

CHICAGO, ILL.—E. M. Newman, Arch., Stock Exchange Bldg., has prepared plans for a 4-story apartment house to be built for John Hamilton, on the west side of Woodlawn Ave.——A. S. Terrill will build an apartment house at Washington Boulevard and South 41st Ave., to cost $60,000. A. E. Colcord, Arch., 325 City Hall.——A 5-story warehouse will be constructed by Mrs. Emmons Blaine at St. Claire and Indiana Sts., at a cost of $50,000. It will be of mill construction, and will follow the designs of R. T. Newberry, Arch., 171 La Salle St.

MONMOUTH, ILL.—Bids are asked until Feb. 25 for the construction of an 8-room school building. O. S. French, Secy. Bd. Education; Reeves & Baillie, Archs., Peoria, Ill.

PAWNEE, ILL.—Bids are asked until Feb. 8 for the erection of the Methodist Church. G. C. Baker may be addressed.

DAVENPORT, IA.—W. C. Hayward, Pres. Bd. Education, informs us that the question of issuing bonds for a new high school building will probably be submitted to vote at the spring election.

DES MOINES, IA.—Bids are asked until Feb. 20 for the erection of the steel and iron work and concrete and fireproofing for the new Polk county court house. Proudfoot & Bird, Archs., 712 Crocker Bldg.

FOND DU LAC, WIS.—A new Y. M. C. A. building, costing $50,000 is proposed for this place. It will be three stories in height.

MILWAUKEE, WIS.—Gilbert & Rugh, Archs., Racine, have completed plans for a 4-story warehouse building for the Mitchell-Lewis Wagon Co. at a cost of $100,000.

SPARTA, WIS.—Bids are asked until Feb. 17 for erecting a poor house. Myron Brackett, Chn. Bldg. Com.

MINNEAPOLIS, MINN.—F. B. & L. L. Long, Archs., 605 Kasota Bldg., will prepare plans for an $80,000 business building on First Ave. North, for Maj. Chas. B. Heffelfinger, Pres. North Star Boot & Shoe Co.

ST. LOUIS, MO.—Bids are wanted by the Louisiana Purchase Exposition Co. until Feb. 3, instead of Feb. 1, as at first advertised, for the construction of the Varied Industries Building. Isaac M. Taylor, Dir. Wks., 503 Odd Fellows Bldg.——Bids for the Mines and Metallurgy building for the exposition in 1904 will soon be called for. The plans for the buildings are by Van Brunt & Howe, Archs., Kansas City.

NEW LEWISVILLE, ARK.—Plans for the new Lafayette county court house, which is to be built here at a cost of $40,000, have been completed by F. W. Gibb, Arch., of Little Rock.

EL PASO, TEX.—Andrew Carnegie has donated $35,000 for a public library in this city.

NEWTON, TEX.—Bids are asked until Feb. 24 for the erection of a 3-story court house at this place. C. A. Woods, County Judge; F. S. Glovers, Arch., 329 Mason Bldg., Houston.

DENVER, COLO.—The reconstruction committee of the council having in charge the reconstruction of the city hall after plans by F. E. Edbrooke, Arch., have rejected all bids received for the work. The lowest bidder was John Anderson, Denver, at $86,500.

BREMERTON, WASH.—Bids are asked until March 8 for the construction of a brick building at the navy yard, Bremerton, to cost $67,000. M. T. Endicott, Ch. Bureau Yds. and Docks, Navy Dept., Washington, D. C.

SPOKANE, WASH.—Bonds will be issued for the erection of new school buildings costing $75,000.

ALAMEDA, CAL.—Bids will be received by the city trustees until Feb. 17 for the purchase of $100,000 in bonds for new school houses.

OAKLAND, CAL.—The Sisters of the Sacred Heart will erect a $50,000 hospital at 26th St. and Broadway. Work will begin within a few months.

SAN FRANCISCO, CAL.—Chas. A. Zinkand will erect a 4-story apartment house in Pacific Ave., east of Franklin St., costing about $75,000. Salfield & Kohlberg, Archs.——The League of the Cross Hall Association, recently organized, will erect a hall in this city to cost about $50,000. Rev. Philip O'Ryan may be addressed.

SANTA ANA, CAL.—The directors of the local Masonic association have recently organized for the purpose of erecting a temple. Prof. J. P. Greely, J. N. Anderson and O. M. Robbins are officers of the association.

SANTA BARBARA, CAL.—It is stated that Niels M. Potter, proprietor of the Van Nuys Hotel in Los Angeles, will build a tourist hotel here, representing an expenditure of about $500,000. The building will be five stories high and will have 275 rooms. It will be completed by January, 1903.

BOISE, IDAHO.—Bids are asked until Feb. 15 for erecting a high school building. B. B. Tage, Secy.

TORONTO, ONT.—The Toronto Hotel Co., now building a $1,250,000 hotel in this city, has authorized the expenditure of an additional $250,000 for extra stories and interior decorations. E. W. Lennox, Arch.

WATER-WORKS.

VAN BUREN, ME.—Civil Engineer Miles is reported to have completed plans for a plant and water-works, construction on which will soon begin.

BROCKTON, MASS.—The legislature will be asked to grant this city authority to secure a water supply from Silver Lake, according to the recommendation of Mayor Battles.

MILTON, MASS.—The question of the town buying the works of the Milton Water Co. is being considered, or if that cannot be done to build a plant to cost about $350,000. Address F. S. Chute.

NORTHAMPTON, MASS.—The water commissioners have asked the legislature for authority to borrow $50,000 in addition to the $200,000 recently borrowed for completing the works.

WHITMAN, MASS.—J. V. Gilbert, Chn. Water Bd., writes us under date of Jan. 23 that a town meeting was called for Jan. 30 to consider the matter of securing a new water supply.

WORCESTER, MASS.—The council is considering the question of repairing the dam at Naxton at a cost of about $100,000.

NEW HAVEN, CONN.—The aldermen have voted in favor of granting a perpetual contract to the New Haven Water Co., by which the city practically surrenders its rights to purchase the works after a term of years.

CORINTH, N. Y.—The legislature has authorized this place to issue bonds for works.

ITHACA, N. Y.—Mayor Gunderman has appointed a committee to prepare a bill asking the legislature for authority to build city works.

LOCKPORT, N. Y.—The Lockport & Newfane Power & Water Supply Co., the Depew & Lake Erie Water Co., and the Niagara, Lockport & Ontario Power Co. have submitted propositions to build works, or to supply the city with water. An election to vote on the propositions will be held.

ROCKVILLE CENTRE, N. Y.—Bids are asked until Feb. 11 for furnishing the materials and for extending the works, as described in our advertising columns. G. W. Rorer, Clk.; C. A. Faas, Jr., Engr., Lynbrook, N. Y.

TROY, N. Y.—Plans for a new 3,500-ft. pipe line, etc., for the new works have been prepared. Councilman Atkins, Chn. Com..

YONKERS, N. Y.—It is proposed to secure a new water supply from Woodland Lake, at a cost of about $180,000.

CALDWELL, N. J.—Louis L. Tribus, of New York, has been engaged to prepare plans for works. W. W. Worthington, Chn. Com.

YARDVILLE, N. J.—Aug. Wolf, of Wolf & Co., Chambersburg, Pa., proposes to build works and an electric plant here.

PITTSBURG, PA.—Local papers state that the council will soon ask for bids for contract No. 2 of the filtration plant. Bids for contract No. 1 will be opened Feb. 24, as stated in our advertising columns. J. G. McCandless, Dir. Pub. Wks.

CONFLUENCE, PA.—Henry Kurtz has asked for a water-works franchise.

PITTSBURG, PA.—The Allis-Chalmers Co., of Milwaukee, Wis., has been awarded the contract at $224,400 for furnishing two 15,000,000-gallon pumping engines for the Brilliant station, and one 6,000,000-gallon pump for the Herron Hill station.

SCHUYLKILL, PA.—At the February election this place will vote on the question of works, to cost about $38,000. Address Town Clerk Moyer and Councilman Brown.

TUNKHANNOCK, PA.—The Tunkhannock Water Co. proposes to secure a new water supply four miles from this city.

WILMINGTON, DEL.—The water and park commissioners propose to build a new dam at once.

WYOMISSING, PA.—The Wyomissing Spring Water Co. has been incorporated with a capital of $20,000 by David H. Keiser, W. W. Light and J. H. Cheetham, to build works.

EAST RADFORD, VA.—The Radford Water Power Co., which owns the Radford Water-Works Co., proposes to improve the plant of the latter company at a cost of about $30,000.

PHOEBUS, VA.—The Newport News Water Co. has bid $6,000 to lay a main in this town. John White, Mayor.

GLENVILLE, W. VA.—The Glenville Water & Light Co., it is stated, is preparing to build works and a light plant at once. R. L. Ruddell, Pres.; C. M. Bennett, Secy.; W. K. Ruddell, Treas.

NORTHFORK, W. VA.—Reports state that works will be built here. L. G. Toney, Mayor.

PARKERSBURG, W. VA.—The council, it is stated, proposes to build a new reservoir at once.

ASHEVILLE, N. C.—Reports state that this place has voted to secure a new water supply from Mount Mitchell; estimated cost, about $200,000.

ELIZABETH CITY, N. C.—Bids are asked until March 3 for constructing works. H. T. Greenleaf, Engr.; R. T. Whitehurst, Clk.

WASHINGTON, N. C.—The Spruks Mfg. Co. has been granted a 15-year franchise for works.

CHARLESTON, S. C.—The option of the Mercantile Trust & Deposit Co., of Baltimore, Md., on the property of the Charleston Water-Works Co. expired Jan. 20. The company had intended to secure a water supply from Ten Mile Hill by driving wells. The question of securing a new water supply from Goose Creek on the Edisto River is again being considered by the council.

GEORGETOWN, S. C.—We are informed that an election will be held within two months to vote on the question of issuing $75,000 in bonds for water-works and a sewerage system. Pop., 4,138. W. D. Morgan, Mayor.

PALATKA, FLA.—This place has voted to issue $175,000 in bonds for works, sewers, paving, etc.

BILOXI, MISS.—We are informed that Kirkpatrick & Johnson, of Jackson, Miss., have been engaged to prepare estimates and plans for works; pop., 10,000. T. J. Rosell, Chn. Com.

HAZLEHURST, MISS.—Coleman & Malochee, Engrs., 319 Carondelet St., New Orleans, La., are preparing plans for works and an electric plant to cost $33,000. We are informed that bids will be wanted about Feb. 15.

HOUMA, LA.—D. Angers, Town Clk., writes us that a tax of five mills on the dollar has been voted to be used in the construction of works. Work will begin as soon as the bonds are sold. A franchise for an electric railway has also been granted by the aldermen. H. M. Wallis, Jr., Mayor.

JENNINGS, LA.—An election will be held Feb. 18 to vote on the question of issuing $25,000 in bonds for works and $15,000 for sewers. Mayor Sweet writes that he will not be ready for bids until after the election.

LAKE CHARLES, LA.—An election will soon be held to vote on the question of issuing $140,000 for improving the works, sewers and electric plant.

DICKSON, TENN.—The injunction restraining this city from letting a contract for works and an electric plant, to cost $35,000, has been sustained.

DYERSBURG, TENN.—W. A. Fowlkes, Jr., Mayor, writes us that this city has voted to buy and improve the works and electric plant at a cost of about $50,000. As soon as the plants are secured bids wil lbe asked for making the improvements.

JOHNSON CITY, TENN.—J. B. Cox, Pres. Johnson City Water Co., has let contracts to N. Y. contractors for building the proposed works.

CINCINNATI, O.—Superintendent Boeh, of the water-works, is preparing to extend the water mains to the Delhi mother house, about four miles, at a cost of $15,000.

CLEVELAND, O.—The council has refused to approve the contract of the Neptune Meter Co. at $77,760 for furnishing water meters.

DAYTON, O.—The legislature has been asked to grant this city authority to issue $100,000 in bonds, half of which is for new mains.

NEWARK, O.—At the April election this city will vote on the question of the municipal ownership of the works. L. E. Chapin, of Canton, O., has prepared plans and estimates for works, to include about 40 miles of mains, etc., and will cost about $300,000.

YOUNGSTOWN, O.—Bids are asked until noon Feb. 1 for erecting two iron or steel boiler stacks, 42 ins. wide by 75 ft. high. W. S. Hamilton, Supt. Water-Works.

AURORA, IND.—The question of works is being considered. Address Mayor Downey, Dr. W. C. Henry and E. H. Niebaum.

BATESVILLE, IND.—We are informed that Sturtevant & Todd, 1208 Fisher Bldg., Chicago, Ill., have been engaged to prepare plans for new mains. Bids will not be wanted by the council for several weeks.

EVANSVILLE, IND.—The question of building a filter plant is being considered; estimated cost, about $400,000. Sam'l James, Supt. Water-Works.

MICHIGAN CITY, IND.—Bids are asked until Feb. 8 for furnishing a 4,000,000-gallon pump for the works of the Lake Michigan Water Co. M. T. Krueger, Secy.

LAKE LINDEN, MICH.—Reports state that the Calumet & Hecla Mining Co may erect a pumping plant at Little Traverse Bay to supply the works at Lake Linden. The pipe line will be seven miles long.

CHICAGO, ILL.—City Engineer Ericson is urging the city to install water meters.

AURORA, ILL.—The council proposes to buy land for a reservoir. Geo. Alschuler, Mayor.

CHESTER, ILL.—Mayor Sprigg and the water committee is considering plans for works.

COLLINSVILLE, ILL.—The Collinsville Water Co. has been incorporated with a capital of $2,500 by Geo. P. Heckel and W. E. Hadley.

DANVILLE, ILL.—The Peoria & Eastern Ry. Co. will double its water service at Stony Creek. Alonzo Whittaker, Supt.

FLORA, ILL.—Local reports state that A. M. Searles has failed to file a bond in connection with his contract to build the works, and that it will be necessary for the city to act alone.

GROSSDALE, ILL.—Reports state that W. B. Ewing, 1003 Chamber of Commerce Bldg., Chicago, is preparing plans for works.

MOUNT STERLING, ILL.—Reports state that Sturtevant & Todd, 1208 Fisher Bldg., Chicago, are preparing plans for works, the contract for which will probably be let in April.

NEPONSET, ILL.—This place will soon vote on the question of issuing bonds for works.

TOULON, ILL.—The question of works to cost about $20,000 is being considered. Geo. S. Walker, Dr. L. L. Long, R. J. Dickinson and J. M. Morris are on the committee.

APPLETON, WIS.—Reports state that the council received 38 bids, ranging from $335,000 to $355,000, for constructing works, the water supply to be secured from Lake Winnebago.

KIRON, IA.—An election will be held Feb. 4 to vote on the question of works.

SLOAN, IA.—Plans for water-works are being prepared by Arnold C. Koenig, 316 Bee Bldg., Omaha, Neb. Bids will be received during the latter part of February. Dr. M. B. Hilts, Mayor.

EDGERTON, MINN.—This place has voted to build works to cost about $6,000.

ST. PAUL, MINN.—Bids are asked until Feb. 10 for furnishing 25 tons of extra strong lead pipe, 500 lbs. pig tin, 800 stop boxes, with privilege of 250 more, 4 to 16-in. valve boxes, 600 ⅝-in., 12 ¾-in., 12 1-in., 6 1½-in. and six 2-in. meters, etc. John Caulfield, Secy. Bd. Water Comrs.

ATCHISON, KAN.—The Atchison Water & Ice Co. has been incorporated with a capital of $200,000 by F. M. Baker, A. J. Harwi, J. C. Fox and Wm. Carlisle.

BURWELL, NEB.—This place has voted to issue $4,000 in bonds for works.

IMPERIAL, NEB.—Kilpatrick Bros., of Beatrice, Neb., propose to build an irrigation plant in the Frenchman River valley to irrigate 5,000 acres of land.

MADISON, NEB.—Bids are asked until Feb. 10 for furnishing and erecting a steel standpipe, 20 ft. × 45 ft., with concrete foundation, complete, according to the plans and specifications prepared by Arnold C. Koenig, 316 Bee Bldg., Omaha. Clyde G. Rynearson, Cy. Clk.

PIERCE, NEB.—Plans and specifications for works are being prepared by A. C. Koenig, 316 Bee Bldg., Omaha. Bids will probably be received early in March. L. R. Hertert, Clk.

ALEXANDRIA, S. DAK.—This place will hold an election in February to vote on the question of issuing $10,000 in bonds for works.

DICKINSON, N. DAK.—Reports state that this city is considering the question of works and a sewerage system.

CHINOOK, MONT.—The question of issuing bonds for works is being considered.

HARVE, MONT.—Reports state that the council will probably grant a franchise for works and an electric plant, to cost $15,000, to E. V. Houser, who has also asked for a franchise for a heating plant and telephone system.

HELENA, MONT.—This city has been enjoined from building works for general purposes, but it is understood that it may build for municipal purposes.

RED LODGE, MONT.—The High Line Ditch Co. has been incorporated with a capital of $5,000 by R. L. Banta and John Ray.

ALBANY, MO.—This place has sold $6,000 of bonds, the proceeds to be used for the construction of works.

CANTON, MO.—This place has voted to issue $20,000 in bonds for works and an electric plant.

EL DORADO SPRINGS, MO.—G. B. Dry, Cy. Clk., writes us that J. W. Freeman, of Joplin, Mo., has been awarded the contract at $9,478 for constructing works.

EUREKA SPRINGS, MO.—The Eureka Water Co. has been incorporated with a capital of $50,000; M. F. Gear, Pres.; John D. Jordan, Vice-Pres.; F. N. Claflin, Secy. and Treas.

LEXINGTON, MO.—Louis Gratz, Cy. Clk., writes us that this city will probably build works, and that he wishes to secure particulars regarding the same. Pop., 4,190. J. C. Young, Mayor; J. M. Owen, Cy. Engr.

MARSHALL, MO.—A. R. James, Cy. Clk., writes us that the city is preparing to build new works and an electric plant; pop., 5,086. Frank Watson, Cy. Engr.

ST. LOUIS, MO.—Press reports state that a special commission is now preparing a report affirming the feasibility of a plan to turn the water of the Upper Meramec River into the reservoirs of St. Louis. The plan to be submitted by the engineers contemplates the complete abandonment of the intake at the Chain of Rocks, from which St. Louis obtains its entire supply of water. The method planned would, it is estimated, involve an expenditure of from $15,000,000 to $20,000,000. Benezette Williams, of Chicago; Charles Wissmer, of Detroit, and Allen Hazen, of New York, the experts, are preparing the report, which will discuss in detail the construction of proper intakes at the Upper Meramec River, 90 miles from St. Louis. ——Plans are being considered for laying water mains in sections not now furnished with water. Edward Flad, Water Comr.; D. C. Adkins, Ch. Engr. Water-Works Extensions.

SPRINGDALE, ARK.—Reports state that plans and specifications for works are being prepared.

YELLVILLE, ARK.—Reports state that this place will soon have works and an electric plant.

AUSTIN, TEX.—The committee, including J. D. McCall, A. L. Teagarden, G. F. Hamilton and D. H. Caswell, Jr., is arranging to rebuild the dam, which was destroyed about two years ago.

COMANCHE, TEX.—Reports state that this place will build works.

FARMERSVILLE, TEX.—D. L. Rike, Secy. Farmersville Water Co., writes us that nothing will be done towards securing materials for works until a water supply is assured.

GATESVILLE, TEX.—The Gatesville Water Co. has been incorporated with a capital stock of $48,000 by W. N. Hammack, J. R. Roby and N. F. Fouts.

HOUSTON, TEX.—The Brazos Canal Co. has been incorporated with a capital of $300,000, and will let contracts at once for building 19 miles of canals.

KAUFMAN, TEX.—O. J. Gorman, of Dallas, Tex., has been awarded the contract at $16,846 for constructing works. G. G. Shaw, Mayor.

LANCASTER, TEX.—The question of works is being considered. Address F. M. Hammond, H. E. White and E. H. Hulbert.

WALLISVILLE, TEX.—O. H. de Lamorton, of the Texas Oil Land & Improvement Co., writes us that bids are wanted before March for a standpipe, 3 × 40 ft., funnel shape bottom, on a 12-ft. elevated iron bridge frame, valves, etc.

BRUSH, COLO.—The Morgan Reservoir & Development Co. proposes to extend the irrigation system at a cost of about $200,000. R. F. Baker, Ch. Engr.

COLORADO SPRINGS, COLO.—The court has refused to enjoin this city from securing a new water supply from Seven Lakes.

FLORENCE, COLO.—Bids were asked until Jan. 27 for constructing a storage reservoir, to include eight acres of clearing, three acres of grubbing, 40,000 cu. yds. of earth embankment, etc. A. B. McFall, Cy. Engr.

FORT COLLINS, COLO.—W. C. Bradbury, of Denver, Colo., has been awarded the contract for building the Fossil Creek reservoir for the North Poudre Irrigation Co., to cost about $150,000. This company is building two other large reservoirs. Jas. B. Arthur, of Fort Collins, is interested.

OKLAHOMA CITY, OKLA. TER.—The council proposes to extend the works. Address Mayor Jones and Councilman Welsh.

STILLWATER, OKLA. TER.—This place has voted down the proposition to issue $10,000 in bonds for extending the works and $15,000 for an electric plant.

SEATTLE, WASH.—Bids are asked until 11 a. m., Feb. 1, for constructing the Melrose Ave. main, including gate valves, hydrants, etc. It is thought that this contract will not be let on Feb. 1, as later zone lines have been run that will give better service at the outlying parts of the system. R. H. Thomson, Cy. Engr.; L. B. Youngs, Supt.; C. B. Bagley, Secy. Bd. Pub. Wks.

SEDRO-WOOLLEY, WASH.—John H. Norris, of Olympia, Wash., has been granted a franchise for gravity works.

BAKERSFIELD, CAL.—The Sunset Water Co. proposes to build works in the Sunset district.

CHICO, CAL.—Bids are asked until noon Feb. 4 for 6,000 ft. of 2-in. wrought-iron pipe, lap-welded, etc. H. T. Batchelder, Clk.

FOWLER, CAL.—Reports state that J. Friedman, of San Francisco, Cal., proposes to build works and an electric plant here, to cost about $18,000.

OCEANSIDE, CAL.—Reports state that the works at this place will be extended.

SACRAMENTO, CAL.—M. J. Desmond, Cy. Clk., writes us that the trustees received the following bids Jan. 20 for furnishing pumps: Byron Jackson Machine Works, San Francisco, $9,084 and $7,780 for 5,000,000-gallon pumps and $12,500 and $16,900 for 10,000,000-gallon pumps, with some variations for attachments; Holly Mfg. Co., Lockport, N. Y., with foundation, 5,000,000 gallons, $25,700, 10,000,000 gallons, $46,000; Snow Steam Pump Works, Buffalo, N. Y., 10,000,000 gallons, $33,127, 5,000,000 gallons, $20,438; the Dean Steam Pump Co., Holyoke, Mass., 5,000,000 gallons, $5,000, 10,000,000, $10,000, with extra for erecting it; H. R. Worthington, New York, 5,000,000 gallons, $16,200, 10,000,000 gallons, $19,625; Allis-Chalmers Co., Milwaukee, 10,000,000 gallons, $36,200, 5,000,000 gallons, $29,400, 10,000,000 gallons, $34,250, to be set up in 15 months.

VALLEJO, CAL.—A. P. Noyes, Cy. Engr., writes us that the city proposes to spend about $130,000 in improving the works this summer. In February an election will be held to vote on the question of issuing $90,000 in bonds for 14-in. c.-i. pipe to replace the present 10-in. riveted pipe.

VENTURA, CAL.—The Artesian Water Co., of Santa Paula, Cal., proposes to build works here to cost $100,000.

LEVIS, QUE.—Reports state that Ross, Power & Co., of Quebec, have been awarded the contract at about $400,000 for building works and a sewerage system.

GLACE BAY, N. S.—This place is reported to have voted in favor of issuing $150,000 in bonds for works. Address Mayor Burchell.

SEWERAGE.

SOMERVILLE, MASS.—Ernest W. Bailey, Cy. Engr., has prepared plans for a storm drain system in a section of the city, covering about 115 acres.

SWAMPSCOTT, MASS.—E. Worthington, Dedham, writes us that a report has been made on a system of sewerage for the entire town. About 20 miles of 6-in. to 24 × 36-in. pipe and brick sewers are shown, including an outfall to sea of about 3,000 ft.; estimated cost, $300,000. The legislature has been petitioned for an enabling act.

ALBANY, N. Y.—Engineer Melius is preparing plans for a new outlet to the Benjamin St. sewer.

BRONXVILLE, N. Y.—Petitions have been presented to the trustees asking for a sewerage system, at a cost of $15,000. Frank Dinsmore, Village Clk.

MOUNT VERNON, N. Y.—Bids are asked until Feb. 18 for constructing sewage-disposal works, as stated in our advertising columns. Edwin W. Fiske, Mayor; Wm. N. Hoyt, Cy. Clk.

WHITE PLAINS, N. Y.—The village engineer has been instructed to prepare plans for a sewage pumping station and equipment.

GLOUCESTER CITY, N. J.—The council has decided to issue $18,000 in bonds for sewer extensions, and $30,000 for street improvements.

MADISON, N. J.—Wise & Watson, Rutherford, have been engaged to make a survey and working plans for a sewerage system.

PHILIPSBURG, PA.—The town engineer has been instructed to prepare plans and an estimate of the cost of extending the sewerage system from the Morris Canal basin to empty into the Delaware River.

HARRISBURG, PA.—Bids are asked until Feb. 1 for constructing 12-in. pipe sewers in two streets. George B. Stucker, Highway Comr.

SCRANTON, PA.—Joseph P. Phillips, Ch. Engr. Bureau of Engineering, writes us that plans are being prepared for a system of sewers in the 12th sewer district.

YORK, PA.—The highway committee has authorized the construction of a 24-in. pipe sewer in Boundary Ave.

BALTIMORE, MD.—The board of estimates has approved an ordinance for sewers in two streets.

BLUEFIELD, W. VA.—It was voted on Jan. 3 to issue $35,000 in bonds for a sewerage system, work on which will probably be started in the spring.

WHEELING, W. VA.—Bids are asked until Feb. 12 for furnishing sewer pipe, paving brick and curbing during the year 1902. Wm. H. Paul, Clk. Bd. Pub. Wks.

WESTON, W. VA.—It is reported that the board of directors of the insane asylum have decided to construct a sewage-disposal plant.

COLUMBIA, S. C.—Bids are asked until Feb. 19 for constructing approximately 28 miles of 8 to 24-in. pipe sewers, as stated in our advertising columns. J. W. Babcock, Chn. Sewer Comrs.; T. L. Ludlow, Engr., Winston, N. C.

GEORGETOWN, S. C.—We are informed that an election will be held inside of two months to vote on the question of issuing $75,000 in bonds for a sewerage system and water-works. J. Jenkins Hucks, Clk.

BIRMINGHAM, ALA.—An ordinance has been adopted for constructing storm sewers in three streets. W. M. Drennen, Mayor; J. C. Murray, Cy. Clk.

BESSEMER, ALA.—It is proposed to construct a sewerage system at a cost of $70,000. Address Mayor [illegible].

JENNINGS, LA.—An election will be held on Feb. 18 to vote on the question of issuing $15,000 in bonds for sewers and $25,000 for water-works. D. C. Sweet, Mayor.

SHREVEPORT, LA.—The council has decided to accept the bid of Guild & Co. at $78,315, for the extension of the city sewers to Allendale.

CINCINNATI, O.—Bids are asked until Feb. 3 for constructing sewers, drains and appurtenances in several streets. Geo. F. Holmes, Clk. Bd. Pub. Service.—The following bids have been received for constructing sewer in Glendora Ave.: Henry Frank, $4,392; McCarthy Bros., $4,390; Thomas P. Strack, $4,368 (awarded contract). The city engineer has been instructed to prepare specifications for a trunk sewer in Linwood Ave.

CONNEAUT, O.—Geo. B. Pike, Cy. Engr., writes us that resolutions were passed on Jan. 13 for 1.07 miles of sewers in parts of districts one and four.

SPRINGFIELD, O.—The board of public affairs has been asked to construct a sewer 1,100 ft. long in an alley.

TOLEDO, O.—The following contracts have been awarded: T. J. Kelly, sewer in Denver Ave., at $2,900; Patrick Tansy, sewer in an alley $1,865; J. B. O'Neill, sewer in an alley, at $1,103.——The state board of health has approved plans for a new sewer district; also for the purification of sewage at the Toledo infirmary.

YOUNGSTOWN, O.—It is proposed to construct a sewer in West Federal St. F. M. Lillie, Cy. Engr.

ALEXANDRIA, IND.—The following bids were received on Jan. 18 for constructing sewers, as advertised in Eng. News: Wm. Bossert, Indianapolis, $4,497; J. B. Hess, Indianapolis, $3,859; Nashville Roofing & Paving Co., Nashville, Tenn., $3,874; Wm. J. Kernan and J. H. Conley, $3,594; F. M. Benner, Marion, $3,577 (awarded contract).

BEDFORD, IND.—W. M. Denniston, Cy. Clk., writes us that plans have been adopted for a sewerage system and bids received, which were rejected, and new bids will be asked soon. Pop., 6,115. G. C. Houston, Cy. Engr.

WASHINGTON, IND.—The question of a sewerage system is being agitated by the local press.

WAUSAU, IND.—Bids are asked until Feb. 3 for constructing sewers in two streets. John R. Patzer, Cy. Clk.

ADRIAN, MICH.—Mayor J. H. Reynolds writes us that no contracts will be let for sewers or paving until the $50,000 in bonds have been sold. Probably about 1½ miles of brick paving will be built during the year.

MIDLAND, MICH.—An issue of $19,000 in sewer and paving bonds has been sold. Contracts have been let for paving blocks.

WYANDOTTE, MICH.—It is proposed to construct a sewerage system as follows: 14,000 ft. of 24-in. pipe, 3,260 ft. of 20-in. pipe, 2,900 ft. of 18-in. pipe, 2,700 ft. of 15-in. pipe, 1,600 ft. of 12-in. pipe, 104,000 ft. of 10-in. pipe, 247,000 ft. of 8-in. pipe, and 35,500 ft. of 6-in. pipe; estimated cost, $59,030.

CHICAGO, ILL.—Bids are asked until Jan. 30 for about 10,000,000 bricks for section "D" intercepting sewer. F. W. Blocki, Comr. Pub. Wks.——Bids are asked until Jan. 30 for the purchase of $2,000,000 in bonds of the sanitary district of Chicago. Thomas A. Smyth, Pres., Room 1,110 Security Bldg.; A. R. Porter, Clk.

KANKAKEE, ILL.—The following bids have been received by the hospital trustees for a sewerage system, and all rejected: H. J. McNichols & Co., 119 Randolph St., Chicago, $35,000; Nash Bros., Chicago, $31,900; P. J. Delaney, Joliet, $26,700; John Williams Co., Dayton, O., $24,425.

ABILENE, KAN.—Mayor P. H. Halleck writes us that an engineer will soon be employed to survey and make plans for sanitary sewers about five miles in length. The system will be built this spring.

MAYVILLE, N. DAK.—Bids are asked until Feb. 10 for constructing a sewerage system, as follows: 4,700 ft. of 24-in. trunk sewer and 2,466 ft. of 10, 12, 15 and 18-in. laterals. W. J. Cooper, Cy. Audr.

SHERMAN, TEX.—Black & Laird have been awarded a contract at $18,610 for constructing a sewage-disposal plant.

TUCSON, ARIZ.—Plans have been adopted for sewers in several streets at an estimated cost of $7,950.

RATON, N. MEX.—The council has accepted the bid of the J. M. O'Rourke Construction Co. for constructing a sewerage system.

TACOMA, WASH.—Reports state that work is soon to be started on three miles of sewers in the 13th Ave. district.

BAKERSFIELD, CAL.—City Engineer Evans has presented a map of sewer district No. 3, and been instructed to make an estimate of the cost of the work.

SAN FRANCISCO, CAL.—Bids are asked until Jan. 31 for extending the Sunset main sewer from 14th Ave. to its outfall. J. Leo Park, Secy. Bd. Pub. Wks.——The street committee has recommended that the board of public works be authorized to extend the Army St. sewer, at an estimated cost of $32,000.

STOCKTON, CAL.—It has been decided to let contracts for storm-water sewers in small sections.

SAULT STE. MARIE, ONT.—Bids are asked until Feb. 17 for laying six c.-i. submerged sewer outlets, total 2,670 ft. W. J. Thompson, Mayor; Miles Chipman, Ch. Engr., 103 Bay St., Toronto.

GARBAGE DISPOSAL—STREET CLEANING

ALBANY, N. Y.—Bids are asked until Feb. 3 for removing street dirt, dead animals, refilling brooms for street-sweeping machine, etc.

SHREVEPORT, LA.—Bids are asked by the council until Feb. 6 for sprinkling the streets from March 1 to Nov. 1.

ELWOOD, IND.—The garbage disposal plant at this place has been destroyed by fire, according to reports.

FARGO, N. DAK.—J. A. Johnson, Mayor, writes us that this city will probably erect a garbage crematory this year.

ANACONDA, MONT.—City Engineer McDonald is urging the city to build a garbage crematory at once.

GALVESTON, TEX.—Bids are asked by the city commissioners until Feb. 15 for cleaning the streets.

BUTTE, MONT.—The council is reported as considering propositions for installing a garbage crematory. Address City Health Officer Leggat.

STREETS AND ROADS.

JAMAICA PLAIN, MASS.—An ordinance is before the council asking for $500,000 for widening and reconstructing Hyde Park Ave.

ITHACA, N. Y.—The state engineer has estimated the cost of improving and macadamizing 1.38 miles of the Catskill turnpike at $14,900.

UTICA, N. Y.—Ordinances are before the council for paving in several streets and an ordinance has been adopted to let all paving contracts by May 2. Address Mayor Talcott.

ROME, N. Y.—A petition is being circulated asking the council to request the Legislature to give the city power to issue $50,000 in bonds for paving.

BAYONNE, N. J.—Bids are reported wanted until Feb. 18 for asphalt paving in Ave. C. Emmett Smith, Cy. Engr.

HOBOKEN, N. J.—An ordinance has been passed for Belgian block paving, curbing, etc., in Seventh St. John Haggerty, Cy. Clk.; Tivy & Smith, Cy. Survs.

JERSEY CITY, N. J.—Bids are asked until Feb. 4 for Belgian block paving, curbing, etc., in Romaine Ave. Geo. T. Bouton, Clk. St. and Water Comrs.

WEST HOBOKEN, N. J.—All bids received for asphalt paving in Shippen St. have been rejected and new bids will be asked.

ALLEGHENY, PA.—Ordinances are before the council for grading, paving and curbing in nine streets. Robert Dilworth, Cy. Clk.

PHILADELPHIA, PA.—The bureau of highways will expend about $600,000 in repaving the small streets, now paved with cobblestones, with asphalt. Address Chief Brooks.

WOODBURY, PA.—The board of freeholders has decided to build the following macadam roads: Swedesboro and Auburn road, estimated cost $17,540, Wm. M. Carter, Engr.; Mullica Hill and Salem county line road, estimated cost $8,225, Wm. C. Cattell, Engr.; Glassboro and Mullica Hill road, estimated cost $11,300, Wm. C. Cattell, Engr.

NORFOLK, VA.—The finance committee has recommended that the $25,000 in paving and grading bonds of the Fifth Ward be issued.

WHEELING, W. VA.—Bids are asked until Feb. 12 for furnishing paving brick, sewer pipe and curbing during the year 1902. Probably about 2,000,000 brick will be used. Wm. N. Paul, Cy. Clk.; Chas. W. Lohse, Cy. Engr.——It is estimated that it will cost about $250,000 to pave all the unpaved streets in this city and about as much more for sewers, according to press reports.

ATLANTA, GA.—Appropriations have been made for paving in several streets. Address Mayor Mims.

JACKSONVILLE, FLA.—Ordinances have been adopted instructing the board of public works to pave with shell in 14 streets at a cost of about $22,000. D. U. Fletcher, Mayor.

JACKSON, MISS.—Walter G. Kirkpatrick, Cy. Engr., writes us that a resolution has been passed for the issuance of $100,000 in bonds for paving.

CLINTON, TENN.—An election will be held on March 8 to vote on the question of issuing $100,000 in county road bonds.

PARIS, TENN.—Bids are asked until Feb. 1 for repairs and maintenance of public roads. I. M. Hudson, County Judge and Chn. Com.

BARNESVILLE, O.—Bids are asked until Feb. 24 for paving in Broadway and Church St. H. E. Dement, Village Clk.

CINCINNATI, O.—Bids are asked until Feb. 10 for constructing and repairing all plank sidewalks in the eastern and western districts, which may be ordered for one year; also until Feb. 14 for artificial stone sidewalks in the same districts; also until Feb. 21 for grading, curbing, guttering and macadamizing in Guy St. Geo. F. Holmes, Clk. Bd. Pub. Service.

CLEVELAND, O.—Bids are asked until Feb. 5 for brick paving, draining, curbing, etc., in 10 streets; also until Feb. 19 for grading, draining, Medina stone block paving, etc., in five streets. Chas. P. Salen, Dir. Pub. Wks.——A movement is on foot to construct a speedway five miles in length on Lake Ave.

DAYTON, O.—Bids are asked until Feb. 11 for the purchase of $20,000 in paving bonds. Robert H. Ferguson, Cy. Compt.

NEWARK, O.—Clement L. Reamer, Cy. Engr., writes us that the council has ordered plans prepared for brick paving in Cedar St. and establishing grades in Elm St., preparatory to paving.

SOUTH BROOKLYN, O.—Bids are asked until March 1 for paving, grading, draining, etc., in Pearl St.; also for the purchase of $16,000 in bonds to pay for the work. W. T. Pupikoffer, Village Clk.

SPRINGFIELD, O.—The board of public affairs has adopted an ordinance to grade and macadamize or gravel 25 streets and alleys.

TOLEDO, O.—Ordinances have been passed directing the city clerk to advertise for bids for paving with different varieties of blocks in three streets. John E. Connell, Cy. Clk.——A petition has been presented to the council, asking for paving in Cherry St.——The city engineer has been instructed to advertise for bids for an eight-ton steam roller to cost about $2,200.

VANWERT, O.—Bids are asked until Feb. 22 for furnishing and spreading 5,071 yds. of crushed blue lime stone on Shafer turnpike No. 21. J. T. Scott, Chn. Road Comrs.

CONNERSVILLE, IND.—Karl L. Hanson, Cy. Engr., writes us that the date for receiving bids for constructing cement sidewalks has been changed from Feb. 17 to April 17. About 400,000 sq. ft. of cement sidewalks will be constructed next season.

CORYDON, IND.—Bids are asked until Feb. 8 for constructing a gravel road in Washington township. Andrew J. McIntosh, Chn. Bd. County Comrs. Jas. A. Watson, County Audr.

REMINGTON, IND.—Bids are asked until Feb. 7 for improvements in two streets. Wm. Townsend, Town Clk.

ADRIAN, MICH.—Bids are asked until Feb. 1 for the purchase of $45,000 in paving and $5,000 in sewer bonds. William Payne, Chn. Com.

DETROIT, MICH.—Bids are asked until Feb. 3 for the purchase of $100,000 in park and boulevard bonds. F. A. Blades, Controller.

GRAND RAPIDS, MICH.—It is proposed to repave South Ionia St. with asphalt.

KALAMAZOO, MICH.—The city engineer has been instructed to prepare estimates of relaying the pavement on Burdick St., and for relaying an extra line of water pipe, storm sewers and water-service pipes.

TRAVERSE CITY, MICH.—Jerome F. Wilhelm, Cy. Engr., writes us that 16,000 sq. yds. of brick or asphalt, 14,000 sq. yds. of macadam and a short stretch of tar macadam is contemplated, but that nothing definite has been decided.

AURORA, ILL.—The city engineer has prepared estimates for two miles of asphalt paving.

CHICAGO, ILL.—Bids are asked until Feb. 5 for constructing cement sidewalks in 50 streets. Bernard F. Rogers, Pres. Bd. Local Improvements.

DANVILLE, ILL.—Bids are asked until Jan. 30 for 20,000 sq. yds. of 2-course brick paving in Oak St. W. H. Martin, Cy. Engr.

ELGIN, ILL.—An appropriation of $40,000 will be asked for paving in 1902; also $5,000 for a garbage crematory.

FREEPORT, ILL.—Petitions have been signed asking for paving and a storm sewer in Galena St., and the work will probably begin in the spring.

PEORIA, ILL.—The board of local improvements has adopted resolutions for paving in three streets.

ROCKFORD, ILL.—The board of local improvements has approved petitions for about five miles of macadam paving, which will be built this summer.

LA CROSSE, WIS.—It is reported that the council will vote to expend $26,000 for macadamizing and brick paving this year.

LA CROSSE, WIS.—The street committee has reported favorably on Mayor Boschert's recommendations for brick and macadam paving, at a cost of $26,000.

MILWAUKEE, WIS.—The board of public works has decided to repave the 16th St. viaduct with cedar blocks.——Bids are asked until Jan. 30 for the purchase of the following bonds: $200,000 street improvement bonds, $400,000 school bonds, $100,000 fire department bonds, $60,000 police department bonds and $50,000 bath and library bonds.

SUPERIOR, WIS.—The paving committee has decided to recommend that Tower Ave. be paved with cedar blocks.

ST. PAUL, MINN.—Bids are asked until Jan. 3 for grading in Hatch St. C. H. Bronson, Clk. Bd. Pub. Wks.

LEAVENWORTH, KAN.—The council has passed favorably on the petition for grading, curbing and paving in South Fourth St.

BOONVILLE, MO.—The question of issuing $40,000 in street improvements bonds has been defeated.

ST. LOUIS, MO.—The board of public improvements has approved the recommendations of the street committee for paving in some 25 streets.

DENVER, COLO.—Bids are asked until Feb. 6 for constructing and reconstructing sidewalks in district No. 5. John Heartz, Pres. Pro tem. Bd. Pub. Wks.

SEATTLE, WASH.—No bids were received on Jan. 26 by the board of public works for improving Dravus St., and the work will be readvertised.——Resolutions have been adopted for paving, etc., in five streets. Frank H. Paul, Cy. Clk.

BLUE LAKE, CAL.—McCormack Bros., Eureka, have been awarded a contract for grading the streets and laying sidewalks in Fieldbrook.

LOS ANGELES, CAL.—The Hill St. Improvement Association proposes to pave Hill St. with asphalt.

OAKLAND, CAL.—City Engineer Turner has estimated the cost of improving San Pablo Ave. at $38,094.

PETALUMA, CAL.—N. S. Frost, Cy. Engr., writes us that he is preparing plans for 2,000 lin. ft. of macadamizing in Main St., and 1,000 lin. ft. in Howard St., 46-ft. roadway, bids for which will be asked in about two months. E. S. Sharer, Supt. Sts.

SAN FRANCISCO, CAL.—The board of public works has called for bids for asphalt paving in Valencia St.

SAN PEDRO, CAL.—The following bids have been received for grading 5th St.: John Dodson, about $8,500; Mr. Goodbody, about $11,700; M. S. Cummings and Mr. Groat, about $14,000.

SEBASTOPOL, CAL.—A committee has been appointed to ascertain the number of miles of road to be constructed and the approximate cost per mile, with a view to issuing bonds for the work.

WHITTIER, CAL.—A resolution has been adopted instructing the city clerk to advertise for bids for improving Milton Ave.

OGDEN, UTAH.—The county commissioners have decided to open a new road from Plain City to the Davis county line. A bridge will be built across Weber River in Plain City. Commissioner Skeen is in charge.

SALT LAKE CITY, UTAH.—A movement is on foot to pave with asphalt in Brigham St. at a cost of about $150,000.

TORONTO, ONT.—About $34,350 will be expended in repairing the streets. C. H. Rust, Cy. Engr.

MANUFACTURING PLANTS.

WORCESTER, MASS.—The contract for the building for the new foundry to be erected by F. E. Reed on Gold St. has been let to the New England Bridge & Structural Co., Worcester. It will be of brick and steel construction, fireproof, 202 × 90 ft.

ALBANY, N. Y.—The Townsend-Downey Shipbuilding Co., of New York city, has been incorporated, with a capital stock of $3,500,000, to construct ships, vessels and other floating property. The company has heretofore been known as Townsend & Downey, and has a plant at Shooter's Island, which will be enlarged. J. H. Cuthbert, New York; W. B. Smith, Montclair, N. J.; B. F. Warren, Brooklyn, and M. P. Williams, Westfield, N. J., are directors.

NEWARK, N. J.—The stockholders of the Reed Mfg. Co. are considering the proposition of increasing the capital stock from $75,000 to $150,000. Work on the new buildings will be started as soon as possible.

ALTOONA, PA.—It is stated that the Hollidaysburg Iron & Nail Co. will expend about $50,000 in improvements to the rolling mill. A new finishing mill, 100 × 200 ft., will be built, containing four heating furnaces, the bar and guide mills, nail-plate mill, engines, etc. Twenty new puddling furnaces will be added.

BEAVER FALLS, PA.—The farm lands of John Rohn have been leased by Samuel O'Neil & Sons, of Pittsburg, and A. L. McDonald and others, of this place. The land is underlaid with a vein of brick clay, and a plant will be erected to manufacture the product.

McKEESPORT, PA.—The American Sheet Steel Co. will expend $1,000 000 on improvements and enlargements to its plants at Vandergrift and Apollo.

PHILADELPHIA, PA.—Frank C. Miller, Arch., has prepared plans for a group of factory buildings to be erected on the main line of the Pennsylvania R. R. Two of them will be three stories, 50 × 225; one two stories, 50 × 150 ft.; three two stories, 50 × 100 ft.; a heating and power plant, 50 × 65 ft.; a two-story stable, 50 × 100 ft., all of brick, with steel frames, and a three-story office building, 50 × 50 ft. Plans will be ready for the builders by about March 1.——The East Coast Milling Co., lately incorporated, it is said, will build a milling plant at Delaware Ave. and Green St., to have an output of 5,000 barrels per day. The syndicate has a capital of $9,000,000.

PITTSBURG, PA.—Jones & Laughlins, Ltd., have purchased ground to provide for the expansion of their works. The structural mill extension will be built first. The erection of a structural shop for the fitting and erection of finished work is contemplated.——The Fischer Foundry & Machine Co. has purchased property fronting on South 21st and Mary Sts., and will erect stone and iron foundry buildings.

PHOENIXVILLE, PA.—The Heine Safety Boiler Co. will erect an addition of 100 × 100 ft. to the large shop, and one 33 × 60 ft. to the smaller one.

SHARON, PA.—The contract for the buildings for the Sharon Tin Plate Co.'s works at South Sharon has been let to Wallis & Carley, and the work is to be completed by March 1. The main building will be 50 × 150 ft., and the cost of the plant $50,000.

VALDOSTA, GA.—The oil mill, ginnery, boiler rooms and tanks of the Valdosta Guano Co. were destroyed by fire Jan 21, at a loss of $40,000.

MEMPHIS, TENN.—The plant of the H. Wetter Mfg. Co. was destroyed by fire on Jan. 18, at a loss of about $25,000. It will be rebuilt at once. Henry Wetter, Pres.

COLUMBUS, O.—A movement is being made by men headed by R. G. Warner for the establishment of a large foundry, rolling mill and iron works near the Rarig plant, on Fifth Ave.

CLEVELAND, O.—The Born Steel Range Co. will erect another building in Newburg on property recently secured.

CINCINNATI, O.—The American Laundry Machinery Co. has selected a site for a new factory. The main building will be L-shaped, 238 × 100 ft., with an arm 320 × 100 ft., and two stories high. A carpenter shop, one story, 140 × 87 ft., will be among the new buildings. About $75,000 will be expended.

TOLEDO, O.—The Toledo Elastic Pulp & Plaster Co. has been incorporated with a capital stock of $25,000 by R. W. Cummings, T. E. Baird and R. S. Holbrook, and will at once erect a plant at Auburndale, to have a daily output of at least 30 tons of plaster.——Work on the new plant of the Marine Boiler Works Co. will begin at once. The company has been organized by D. C. Shaw, C. B. Lloyd and C. A. Leeper.

FORT WAYNE, IND.—The directors of the Fort Wayne Electric Works have decided to increase the capital stock by $300,000, and also on plans for extensive improvements to the works. J. J. Wood, Mgr.

DETROIT, MICH.—The Michigan Alkali Co. has decided to abolish its plant No. 1 in Wyandotte, and will erect new buildings on the site of plant No. 2, to cost in the neighborhood of $1,000,000. The new plant will increase the number of employees to 1,500.

CHICAGO, ILL.—Plans have been prepared by Thomas H. Mulloy, Arch., 1601 Monadnock Blk., for a plant for the Kinsella Co., to manufacture mirror plates and ornamental stained glass. It will be of mill construction, and will cost about $40,000.——The Arnet Engine Co., of Waukegan, has been incorporated with a capital stock of $10,000 by E. H. Arnet and H. M. Legnard, Waukegan, and J. T. Adams, of Chicago. A factory will be erected either in Waukegan or Chicago, and between 300 and 400 men employed.——The Chicago House-Wrecking Co. is to erect a machine shop and boiler house at 35th and Iron Sts., to cost about $60,000. The principal building will be 560 × 135 ft., and 60 ft. high. H. L. Newhouse, Arch., 4630 Prairie Ave.

BOISE, IDAHO.—The Southern Idaho Cold Storage Co. is formulating plans for the proposed new building to be erected this summer. The building will be four stories and will cost, with the equipment, $50,000.

WAUSAU, WIS.—The Arkansas Lumber Co. has contracted with the D. J. Murray Mfg. Co. for a double band and gong mill to be erected at Malvern, Ark., at a cost of $100,000. The capacity will be about 300,000 ft. per day.

ST. LOUIS, MO.—Alfred W. Henry, Vice-Pres., St. Louis Iron & Steel Foundry Co., whose building at Eighth and Hickory Sts. was destroyed by fire on Jan. 16, states that the company will rebuild at once.——It is stated that L. J. Hayward, Secy., American Steel Foundry Co., is organizing a company to erect a steel plant in this city. The company will be capitalized at $1,000,000, and will erect buildings costing $600,000, according to reports.

SEATTLE, WASH.—The representatives of the Jupiter Steel Co. are now looking over the ground in Kirkland for a site for the new plant. The proposed plant will turn out 50,000 lbs. of steel mining tools per day.

SPOKANE, WASH.—The Sprague Roller Mills, owned by the Centennial Mill Co., were burned on Jan 18; the loss entailed was about $60,000. They will be rebuilt. Samuel Glasgow, Secy. and Treas.

MONTREAL, QUE.—The Canadian Pacific R. R. Co. proposes to erect locomotives and car building shops in the East End, this city, to cover over 350 acres, and to employ about 7,000 men. It is estimated that the site for the works alone will cost $750,000.

MISCELLANEOUS CONTRACTS.

WHARF.—Blaine, Wash.—The street commissioners have been instructed to have 300 ft. of wharf constructed.

DITCHES.—Decatur, Ind.—Bids are asked until Feb. 1 for constructing 10 sections of ditch. Abe Boch, County Audr.

POLICE SIGNAL SYSTEM.—Wellesley, Mass.—The town has voted to install a police signal system, at a cost of $3,500.

OIL-PUMPING SYSTEM.—Santa Maria, Cal.—The pumping system of the Western Union Oil Co. will be replaced with a new plant.

DAM.—Brasher Falls, N. Y.—B. P. Clark has been awarded a contract at $3,229 for constructing a dam in the St. Regis River, near this place.

TELEGRAPH WIRE.—New York, N. Y.—Bids are asked until Feb. 4 for furnishing 20 miles of telegraph wire. Thomas Sturgis, Fire Comr., 157 E. 67th St.

DAM.—Springfield, Mass.—The county commissioners have approved the plans of the Ludlow Mfg. Co. for a dam across the Chicopee River at the red bridge.

IRON CASTINGS.—Boston, Mass.—Bids are asked until Feb. 4 for furnishing 1,420,000 lbs. of miscellaneous iron castings. Augustus P. Martin, Water Comr.

WHITE LEAD.—New York, N. Y.—Bids are asked until Feb. 6 by the department of bridges, 13 Park Row, for furnishing about 50,000 lbs. of white lead.

AUTOMATIC STOKERS.—Indianapolis, Ind.—Bids are asked until Feb. 11 for automatic stokers at the Manual Training High School. Jno. E. Cleland, Business Dir.

RANGE TOWERS.—Fort Monroe, Va.—Bids are asked by the Engineer Office, Norfolk, until Feb. 27 for furnishing and delivering steel and iron work for 6 range towers.

DREDGING.—Chicago, Ill.—Bids are asked until March 5 for dredging at Calumet harbor, as stated in our advertising columns. Lieut.-Col. O. H. Ernst, U. S. Engr., 1637 Indiana Ave.

CEMENT.—Albany, N. Y.—D. D. Winston & Co., Utica, have been awarded a contract at about $9,000 for furnishing 50 car loads of cement to be used in building the state dam at Beaver Falls.

JETTY.—Cleveland, O.—Bids are asked until Feb. 12 for constructing a pile and timber jetty in Lake Erie and filling same with stone and placing riprap stone on both sides. Chas. P. Salen, Dir. Pub. Wks.

MONUMENT.—Philadelphia, Pa.—Competitive designs for a monument in honor of the soldiers, sailors and mariners of the civil war are asked until March 3. Gavin Nelson, Clk. Com. on Soldiers' Monument.

STEAMER.—Newport News, Va.—The Newport News Shipbuilding & Dry-Dock Co. has been awarded a contract to build a 366-ft. passenger and freight steamship for the Old Dominion Steamship Co. at about $600,000.

TELEPHONE LINES.—Columbia, S. C.—General Manager Gentry, Southern Bell Telephone Co., says that construction work will soon be stated on lines to connect Columbia with Newbury, Union, Florence and other points.

BEACONS, ETC.—Buffalo, N. Y.—Bids are asked until Feb. 28 for constructing two beacons, one lantern and a fog-signal house; including foundations and protection

work, in main south entrance of new breakwater, and one beacon on the south end of the new north breakwater, as stated in our advertising columns. Maj. T. W. Symons, U. S. Engr., 10th Light-House Dist.

LIFE-SAVING STATION.—Buffalo, N. Y.—Bids are asked until Feb. 4 for constructing the foundations, retaining walls, etc., for a life-saving station. S. I. Kimball, Gen. Supt. U. S. Life-Saving Stations, Washington, D. C.

BEACONS, ETC.—Washington, D. C.—Bids are asked until March 1 for completing the construction of two coal sheds, two steel piers and 24 steel channel beacons at Dry Tortugas, Fla. Mordecai T. Endicott, Ch. Bureau Yards & Docks.

STEEL WORK AND MACHINERY.—Washington, D. C.—Bids are asked until Feb. 15 for steel work for a roof and furnishing and installing certain coal-handling machinery at the navy yard. Mordecai T. Endicott, Ch. Bureau Yards and Docks.

TUNNEL.—Boston, Mass.—Bids are asked until Feb. 25 by the Boston Transit Commission, 20 Beacon St., for building Section C of the East Boston tunnel, under State St., from India St. to near Atlantic Ave., as stated in our advertising columns. Howard A. Carson, Ch. Engr.

PASSAGEWAY.—Tompkinsville, N. Y.—The following were received on Jan. 24 for a passageway to connect main and extension to office buildings at the light-house depot: Randolph & Baer, 541 Head Bldg., Philadelphia, Pa., $1,200; N. J. Foundry & Machine Co., 26 Cortlandt St., New York, $1,375.

BUOY MAINTENANCE.—Tompkinsville, N. Y.—Bids are asked until Feb. 4 for maintaining all the buoys now in Lake Champlain, N. Y.; Taunton River, Mass.; Pawtucket River, R. I.; Housatonic River, Conn.; Hudson River, N. Y.; between New York city and Troy, N. Y.; Fire Island Inlet, Great South Bay, New Inlet, Jones's Inlet, Hog Island Inlet, Rockaway West Channel, all south side of Long Island, N. Y., and Stamford Harbor, Conn., and such others as may be authorized for one year from July 1, 1902. Capt. William M. Folger, U. S. N.

U. S. POSSESSIONS AND CUBA.

WATER SUPPLY.—Mayaguez, P.R.—The question of improving the quality of the water supply is being considered.

LIGHT STATION.—Alaska.—Bids are asked until March 22 for erecting light stations at Scotch Cap, East, Alaska, and at Cape Sarichef, as stated in our advertising columns. Capt. W. C. Langfitt, U. S. Engr., Portland, Ore.

HARBOR WORK.—Philippine Islands.—The U.S. Philippine Commission, Manila, P. I., has appropriated $5,000 for improving the harbor at Iloilo, and $3,000 for dredging in the Cagayan River. Other harbor and river improvements are also proposed.

MINING TUNNEL.—Alaska.—Reports state that work has been begun on a mining tunnel near Juneau, Alaska, to be about 8,000 ft. long and to cost about $2,000,000. A large mill will be built on the beach south of Juneau, in connection with the work. Charles Berryman, of Dawson and Juneau, may be able to give information.

ROADS.—Porto Rico.—Bids are asked by the Board of Public works, San Juan, P. R., until Feb. 6 for constructing six kilometers of road to cost about $74,000.——We are informed that the board proposes to build 15 kilometers of road between San Sebastian and Lares, to cost $75,000, and 9 kilometers between Yabucoa and Manuabo to cost $38,000.

LIGHT-HOUSE, ETC.—Alaska.—The U. S. Engineers, Portland, Ore., received the following bids Jan. 14 for a light-house and lantern, at Lincoln Rock, Alaska: M. J. Carkuk, Seattle, Wash., for constructing the light-house, $33,700; Ellicott, Machine Co., Baltimore, Md., for lantern, $1,386; N. J. Foundry & Machine Co., Red Bank, N. J., for lantern, $1,375.

RAILWAY.—Alaska.—The Alaska, Copper Mines & Yukon Ry. Co. has been incorporated with a capital stock of $25,000,000, by E. D. Bannister, Alfred B. Iles and T. L. Parker, of Seattle, Wash., to build a railway from Prince Williams Sound, in Alaska, through the Copper and Tanana rivers country, to a point on the Yukon River near Eagle. The company proposes to operate a steamship line from Seattle to Prince Williams Sound, and to build a smelter in Alaska and carry on general mining transactions.

COALING STATION.—Cavite, P. I.—Reports state that the Atlantic, Gulf & Pacific Co., Park Row Bldg., New York, San Francisco and Manila, P. I., has been awarded the contract, at about $550,000, for constructing the Sangley Point coaling station. There will be two steel coal sheds, 145 x 193 ft.; one steel wharf, 75 x 410 ft.; one steel coal bunker, 30 x 360 ft.; two traveling coal hoist towers each of 50 tons capacity per hour; 12 automatic elevated coal railways, 1½ miles of coal railway, with cars, tubs, floor valves, etc., 50,000-gallon gravity water storage system, power and pump house for 200 HP., etc.

FOREIGN CONTRACTS—EXPORT NEWS.

FLOUR MILLS.—Budapest, Hungary.—Reports state that the Concordia flour mills have been destroyed by fire at a loss of about $700,000.

RAILWAY.—Bagdad, Turkey.—Reports state that an American syndicate has submitted a proposition to the Porte at Constantinople to build the Bagdad R. R.

MAIL TUBES.—Berlin, Germany.—Reports state that the imperial post office is preparing plans for a system of pneumatic tubes for the transmission of the mails.

MARKET HOUSE.—Mexico.—The contract for the new market house at Cuidad Porfirio Diaz, has been let to Mackin & Dillen, of Monterey, Mex., at about $60,000.

DOCKS, ETC.—Leith, Edinburgh, Scotland.—The Dock Commissioners of Leith propose to improve the docks at a cost of about $1,625,000. W. D. Coy, Engr., Edinburgh.

MUNICIPAL IMPROVEMENTS.—London, Eng.—Reports state that the London County council proposes to issue $15,000,000 in 3% bonds for municipal improvements.

STREET RAILWAY.—Mexico.—Pedro M. Armendariz has signed a contract with the government whereby he is to build a new street railway in Juarez, Mex., to be completed by Jan. 21, 1904.

SEWER PIPE.—Stamford, Eng.—Bids are asked until Feb. 17 for about 61,000 ft. of 21 to 6-in. terra cotta, and 8,000 ft. of 21 to 6-in. c.-i. sewer pipe, etc. J. B. Everard, Engr., 6 Millstone Lane, Leicester, Eng.

DREDGE.—Mexico City, Mex.—Henry A. Case, Calle Ortega, Mexico City, writes us that he wishes to buy a second-hand dredge of 2½ to 3 cu. yds. capacity, built for rough work. Full particulars must be sent.

BRIDGE, ETC.—South Africa.—Reports state that a 600-ft. bridge 400 ft. high, will be built over the Zambesi River, in South Africa, for the Cape-to-Cairo Ry. Sir Douglas Fox Engr., 28 Victoria St., Westminster, London.

RAILWAY.—Mexico.—It is stated that the construction of the Pan-American R. R., which is to run from Geronimo, Isthmus of Tehuantepec, through southern Mexico, will soon be commenced by J. P. Stevenson, an American contractor, San Geronimo. Supplies and construction material are arriving at San Geronimo from San Francisco. J. M. Neeland, Pres., Los Angeles, Cal.

DRILLING MACHINES, ETC.—India.—Bids are asked until Feb. 4 for car wheels, lathes, drilling machines, brass finishing lathes, etc., for the Bengal-Nagpur Ry. Co., Ltd. Robt. Miller, Mgr. Dir., 132 Gresham House, Old Broad St., London, Eng.

ELECTRIC CARS, ETC.—London, Eng.—Bids are asked until March 4 for furnishing 100 double-decked double-bogie electric tram cars The cars are to be worked by a conduit system and are to have a capacity of 68 persons each. G. L. Gomme, Clk. London County Council.

MINING.—Mexico.—Reports state that J. P. Pomeroy, of Colorado Springs, Colo.; Henry Russell and John Hobbs propose to invest in Mexican mines. Colorado Springs capitalists have recently organized to put in a $1,000,000 power plant at Guanajuato, which will be used to run machinery in mines of surrounding country.

SEWERS, LIGHTS, WATER, ETC.—La Cananea, Sonora, Mex.—Reports state that the Cananea Copper Co., owned by the Consolidated Copper Co., of Naco, Ariz., and 377 Broadway, New York, proposes to build a town at La Cananea, to include water-works, a sewerage system, an electric light plant, telephone system, an electric railway, etc.

ELECTRIC RAILWAY.—China.—As noted in our last issue, bids are wanted by the municipal council of Shanghai, China, until March 7. Reports state that a New York syndicate is being formed by J. R. Patterson, of Fearon, Daniel & Co., 87 Front St., New York city, to bid on the work. The road will be standard gage, 23 miles long, and will cost about $5,000,000.

RAILWAY.—Mexico.—Reports state that a new railway is to be built from a port on the Gulf of Mexico, north of Tampico, across the states of Sonora to Sinaloa, to a point on the border of Eagle Pass; estimated cost, about $40,000,000. Surveys are said to be about completed, and the capital has been furnished by parties in London and New York. D. Rodgers, of New York city, is interested.

BUILDING.—London, Eng.—The board of managers of the Royal College of Science, South Kensington, London, received the following bids in January for the superstructure of the Royal College of Science: Stephens, Bastow & Co., Ltd., $1,220,000; G. Trollope, $1,048,785; J. Mowlem & Co., $995,510; J. Shillitoe & Son, $955,000; Perry & Co., $946,500; McCormick & Sons, $927,905; Leslie & Co., Ltd., $878,390; H. Lovatt, $877,700.

RAILWAY.—Mexico.—The government has granted a concession for a railway between Torreon, Mex., and Trevine, to the Mexican Central Ry. Co. The line will be 160 miles long and will connect with the main line of the Mexican Central at Torreon, and with the Monterey & Mexican Gulf R. R. at Trevine. It will parallel the Mexican International R. R. the entire distance between the two places.——A contract has been entered into between the government and the Mex. Cl. Ry. Co. under the terms of which the latter company obligates itself to complete the fiscal wharf at the port of Tampico by June, 1903.

RAILWAY.—Mexico.—The Laguna Co., which was recently organized under the laws of Maine for the purpose of engaging in enterprises in Mexico, will, it is stated, construct a railroad from Torreon, Mexico, through the valley of the Nazas River for a distance of about 150 miles. A. L. Utz and John R. Markley, of Chicago, are interested. The announcement is made that the formal consolidation of the Mexican International R. R. with the Mexican National Ry. Co.'s lines will take place about June 1. The general offices of the Mexican National, which are now located in the City of Mexico, will, it is understood, be removed to Monterey, and the consolidated lines operated from that point.

WATER SUPPLY AND POWER PLANT.—Mexico.—A water supply and electrical power project is about to be undertaken near the City of Mexico, by a New York syndicate, promoted by Wm. Mackenzie, of Mexico City. It is proposed to take the water from Almoloya Springs, situated near the City of Toluca, Mex., to Mexico City, by means of a canal 37 miles long and a series of pumping stations and pipe lines. The highest point to be reached by the water en route to Mexico City will be on the plains of Salazar, 2,214 ft. above that city. It is estimated that the water in making its drop into the Valley of Mexico will generate 17,500 HP., most of which will be transmitted to Mexico City, where it will be used in factories, lighting plants, electric street railway plants, etc.

RAILWAYS.—Spain.—The following concessions for railways in Spain have been granted: Don José Navarro Vivaldi and Don Ramón Bernardo Araus, for a branch line connecting the landing place of Almadravillas with the railway lines of the Sup de España Co., and those of the Sierra Alhamilla Co., for 99 years, without state subvention; the mining company of Sierra Menera, for a railway from Ojos Negros to Sagunto, without state subvention; the railway company of Bilbao to Portugalete, for a line from the present station at Portugalete to the point known as El Calero in the jurisdiction of Santurce, without state subvention; Don José Navarro Vivaldi for a meter gage line from La Escombrera de la Mina de San Miguel, in the neighborhood of the village of Gallarta, to the outer harbor of Bilbao, with branches to the railway lines of La Orconera, Galdames, Disputacion and Franco-Belga.

GAS PLANT.—Rio de Janeiro, Brazil.—Eugene Seeger, U. S. Consul General at Rio de Janeiro, reports that the gas company in Rio, which consists exclusively of Belgian capitalists and their representatives, has valuable rights and privileges, is very much in need of funds to make improvements and extensions necessary on account of the largely increased demand and the more modern requirements. In order to develop the earning power, the capacity of the plant ought to be greatly enlarged and an electric plant ought to be added. The estimate of expenses for the necessary improvements amounts to about $3,000,000, which sum the company seems to be unable to raise here or in Belgium. The capital invested in the plant up to date is about $10,000,000, and the company's contract with the city expires in 45 years. The managers would be willing to transfer all their rights and privileges and the controlling interest of the property to an American syndicate which would undertake the necessary improvements, provided they could be accorded a fair share in the net earnings of a new company to be organized on that basis.

CONTRACT PRICES.

CEMENT SIDEWALKS.—Alexandria, Ind.—The following bids were received Jan. 18, 1902, for laying 6-in. concrete sidewalks; J. S. Humphrey, Cy. Engr.: Graff, Albert & Co., 177 La Salle St., Chicago, 17.4 cts. a sq. ft.; H. N. Barnes, South Bend, Ind., 14.8 cts.; James O. Isaacs & Co., Indianapolis, Ind., 14.1 cts.; W. H. Minnis, Fairmount, Ind., 11.4 cts. (accepted); J. D. Hoss, Indianapolis, Ind., 20 cts.; Kemp & Sons, Middletown, O., 12 cts.; N. B. Moore, 16.7 cts.; Nashville Roofing & Paving Co., Nashville, Tenn., 15 cts.; Kernan & Conley, 14.6 cts.

MACADAMIZING.—Norwich, N. Y.—The following contract for macadamizing Mitchell and North Broad Sts. has been let to Geo. C. Warren, Gen. Mgr. Warren Bros. Co., Boston, Mass.: Bituminous water-proof macadam, $1.81 and $1.79; new stone curb, 92 cts.; Portland cement curb, 83 cts.; old stone curb, 68 cts., 67 cts.; stone headers, 60 cts.; 10-in. sewer pipe, 60 cts.; 10-in. trap, $25; 4-in. drain tile, 10 cts.

BRIDGE SUBSTRUCTURE.—Clay, W. Va.—We are informed that the following bids were received Jan. 28, 1902, for constructing a bridge substructure over Elk River; the bids for the superstructure are given under Bridges: (1) is for masonry, (2) for wet excavation, and (3) for dry excavation: Walker Bros, (1) $7.75, (2) $1, (3) 25 cts.; J. V. Tulley, (1) $7.45, (2) $1, (3) 25 cts.; J. W. Lynch, (1) $8.50, (2) 75 cts., (3) 50 cts.; D. Minotti, (1) $8, all excavation lumped at $600; T. G. Swift, (1) $7.90 (accepted), all excavation lumped at $600.

ASPHALT PAVING.—Los Angeles, Cal.—The following bids were received by the council Jan. 13, 1902, for paving in 7th St.: Perry Howard, 21½ cts. per sq. ft.; John H. Drain, 19 cts.; Fairchild & Gilmore, 21⅞ cts.; Alcatraz Asphalt Paving Co., 17½ cts.

GUN BATTERY.—Tampa, Fla.—The U. S. Engineers received the following bids Jan. 21, 1902, for completing the gun battery at Key West; (1) bid of Snare & Triest, 26 Cortlandt St., New York; (2) L. L. Leach & Son, Marquette Bldg., Chicago; Capt. Herbert Deakyne, U.S. Engr.:

		1.	2.
Concrete	178.0 cu. yds.	$15.00	$18.00
Plaster	181.6 " "	.40	3.00
Moving sand	200.0 " "	.50	.60
Bermuda grass	595.4 " "	.20	.25
Loam fill	197.6 " "	1.75	.90
Railings		200.00	357.00

INDUSTRIAL NOTES.

THE WATERTOWN ENGINE CO., Watertown, N. Y., has an order for eight boilers for the Philippine Islands.

THE GREEN FUEL ECONOMIZER CO., Matteawan, N. Y., has an order for economizers for the Quincy Market Cold Storage Co., Boston.

THE METROPOLITAN BRIDGE & CONSTRUCTION CO., 152 Elm St., Arlington, N. J., is the new name of the New York Bridge Co.; capital stock, $500,000. Pres., Hector M. Hitchings; Secy., Melvin G. Pelliser.

THE WASON MFG. CO., Springfield, Mass., is reported to have a contract from the Manhattan Ry. Co., New York, for remodeling 900 cars at a cost of $300,000, and building 250 new cars, preparatory to operating the system by electricity.

THE CHICAGO PNEUMATIC TOOL CO., Chicago, reports that its orders from Jan. 1 to 15 equal the total December business, which was greater than that of any preceding month. This includes an order for 80 tools from the Cramp Shipbuilding Co.

BRODERICK & WADE, architects and contracting engineers, have moved their offices from Ellicott Square, Buffalo, to Union Trust Bldg., St. Louis. They make a specialty of exposition construction and request manufacturers to send them catalogues, samples, etc.

THE ALLIS-CHALMERS CO., Chicago, announces the election of E. H. Gary as chairman of its board of directors. Mr. Gary is also chairman of the board of directors of the U. S. Steel Corp. The reports state that William Allis and Edwin Reynolds, Gen. Supt., will both retire from the company.

GUY M. GEST, Cincinnati and New York, has a contract from the Cincinnati Gas & Electric Co. for over 1,000,000 ft. of conduits, reported as to cost over $300,000, and covering over 40 miles of streets. The work is to be done within six months, according to the report, and the total cost to the company will exceed $1,000,000.

THE EAST OHIO SEWER PIPE CO., Irondale, O., expects to have its new plant in operation by April 1, with an annual capacity of 5,000 car loads of sewer pipe. The officers of the company have had a long experience in this business. Pres., Wm. Banfield, Beaver, Pa.; Vice-Pres., A. S. Freeman, Steubenville, O.; Secy., F. W. Owesney, Steubenville; Treas., A. W. Weber, Irondale.

THE SAFETY CAR HEATING & LIGHTING CO., 160 Broadway, New York, has received advices from London that the Highland Ry., which has had a number of its carriages lighted by the Stone axle electric system, has abandoned its attempts to use that method of lighting and has placed an order with the Pintsch's Patent Lighting Co., of London, for the erection of a large gas plant, and at the same time has ordered of the same company equipment for 212 of its carriagts.

THE AMERICAN METAL HOSE CO., 40 Dearborn St., Chicago, is introducing for the conveyance of corrosive oils and steam under high pressure a metal hose guaranteed to be absolutely tight and practically indestructible. It is made entirely of metal, said to be more flexible than rubber hose of equal dimensions and is of about the same weight. The following firms in Chicago are reported as using the double metal hose under high steam pressure: Chicago Edison Co., Illinois Steel Co., Standard Oil Co., Metropolitan Elevated Ry. Co., South Side Elevated Ry. Co., Illinois Central Ry., Nelson, Morris & Co., McCormick Harvesting Machine Co., and the Milwaukee Automobile Co.

WESTINGHOUSE, CHURCH, KERR & CO., New York, has just sold several interesting stoker, mechanical draft and economizer equipments, including two 100-in. 24-grate stokers to Obermeyer & Liebman, Brooklyn; a complete stoker and economizer plant with stack and mechanical draft to the Union Bag & Paper Co., Sandy Hill, N. Y.; two 138-in 24-grate and four 132-in. 22-grate stokers to The British Westinghouse Electric & Mfg. Co., Manchester, Eng. Through its Boston office it sold an equipment of dampers and actuating mechanism for economizers to Sanderson & Porter for the Rockingham County Light & Power Co., at Portsmouth, N. H. The Detroit office sold three 54-in. 20-grate stokers to Col. Frank J. Hecker for the Washington Arcade building plant in Detroit. The Chicago office added a list of four plants, comprising 12 stokers, and including a 48-in. 20-grate stoker to Sligar & Holloway, Indianapolis; one 84-in. 22-grate stoker to the U. S. Board & Paper Co., Carthage, Ind.; eight 54-in. 22-grate stokers to the U. S. Mining Co., at Salt Lake City, and two 93-in. 22-grate stokers to Deere & Co., Moline, Ill.

NEARLY EVERY PROMINENT CONTRACTOR and Manufacturer of Contractors' Supplies READS ENGINEERING NEWS.
Avail Yourself of this Paper when Bids are Wanted for Construction or for Furnishing Supplies.